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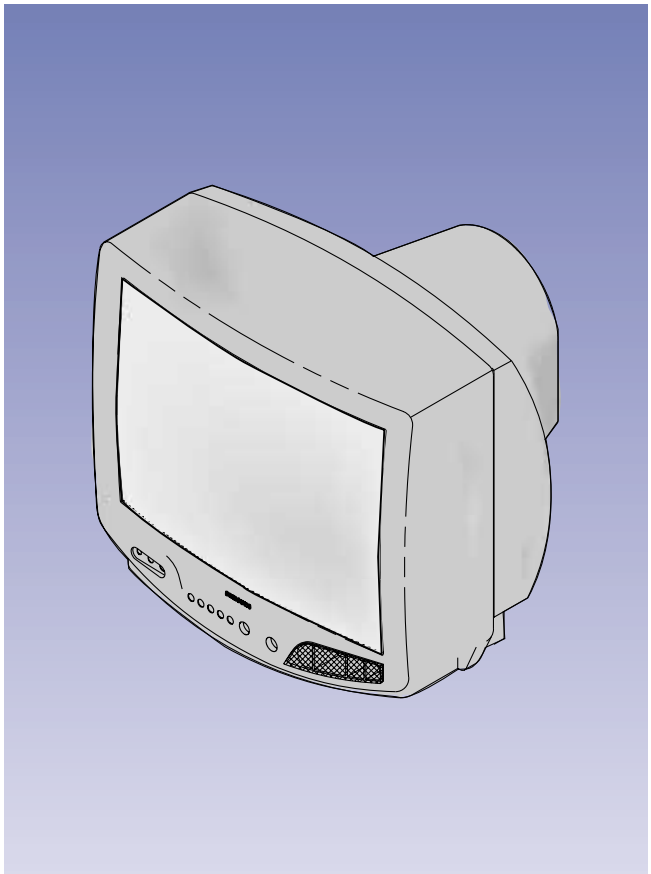
SAMSUNG

COLOR TELEVISION RECEIVER

Chassis : K15A
Model : CT21D8L6X/XTC
CT5038G6X/XAP

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

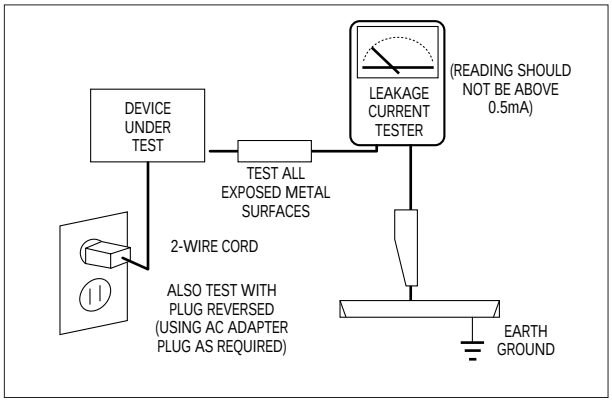

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Specifications

2-1 Specifications

Television System	14"/20"/21" NTSC COLOR TV SIGNAL
Power Consumption	14" : 57 WATTS NOMINAL, 20" : 70 WATTS NOMINAL 21" : 75 WATTS NOMINAL,
Picture Tube	14" : A34KQV42X 20" : A48KRD82X (H) 21": : A51KQJ63X (H)
Power Requirement	AC 120V, 60Hz /AC 100 ~ 240, 50Hz, 60Hz
Operating System	REMOCON SYSTEM (SZM354ET)
Tuning Ranges	VHF CH : 2-13, UHF CH : 14-69, CABLE CH : 1,14-125
Antenna Input Impedance	75 ohm UNBALANCED TYPE FOR VHF/UHF
Intermediate Frequency	PICTURE 45.75MHz, SOUND 41.25MHz, COLOR SUB CARRIER 42.17MHz
Speaker Impedance	Single: 8 ohm 3W Dual : 8 ohm 3W x 2 Dual : 16 ohm , 3W x 2 (CT-33H1, CT-50H1)

3. Disassembly and Reassembly

3-1 Back Cover Removeal

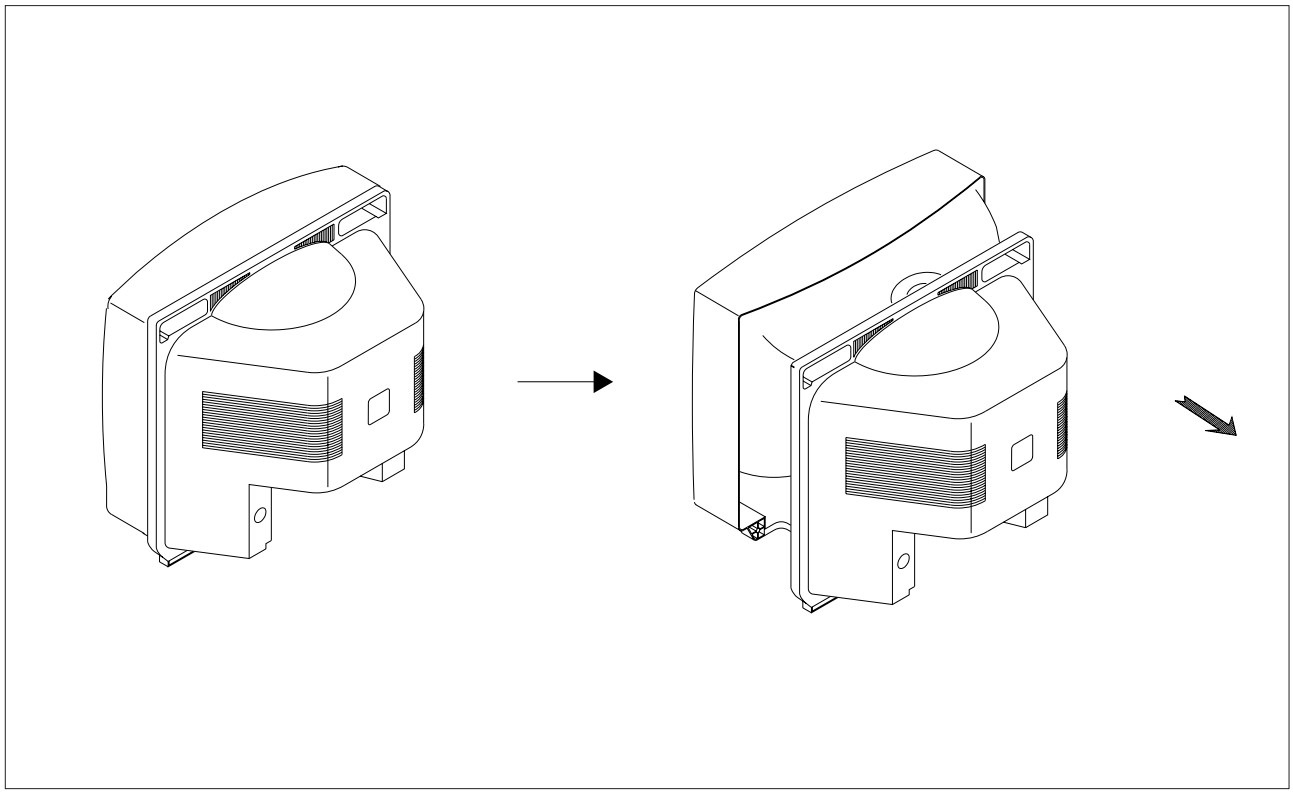


Fig. 3-1

1. After removing the screws, pull the cabinet backwards.

3-2 Main Board Removal

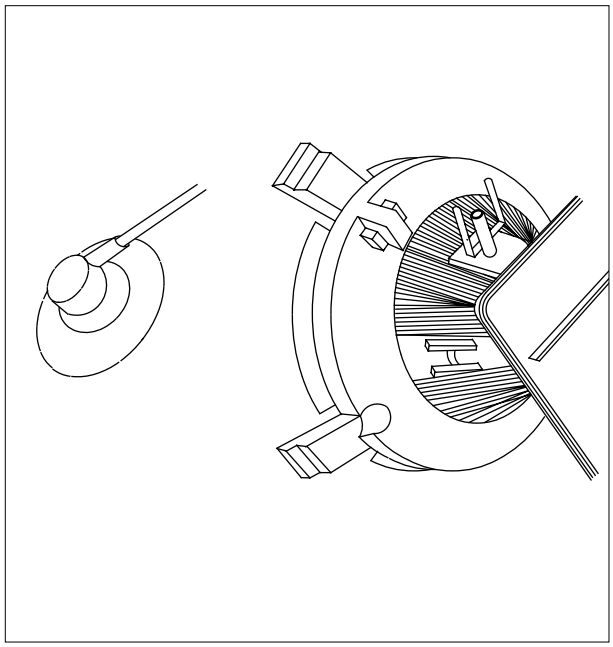


Fig. 3-2

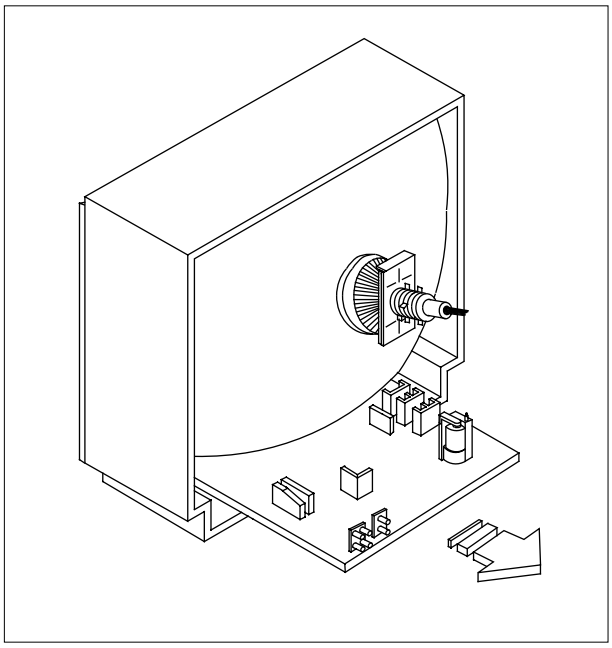


Fig. 3-3

1. Separate the socket board from the CRT neck.
2. Remove the Anode Cap from the CRT.
3. Remove the main board by pulling it with both hands.

Warning: The FBT is charged with high voltage.
Before removing the Anode Cap, discharge the voltage through one of the heat sinks on the main board.

3-3 Speaker Removal

1. Loosen the screws and remove the speakers.

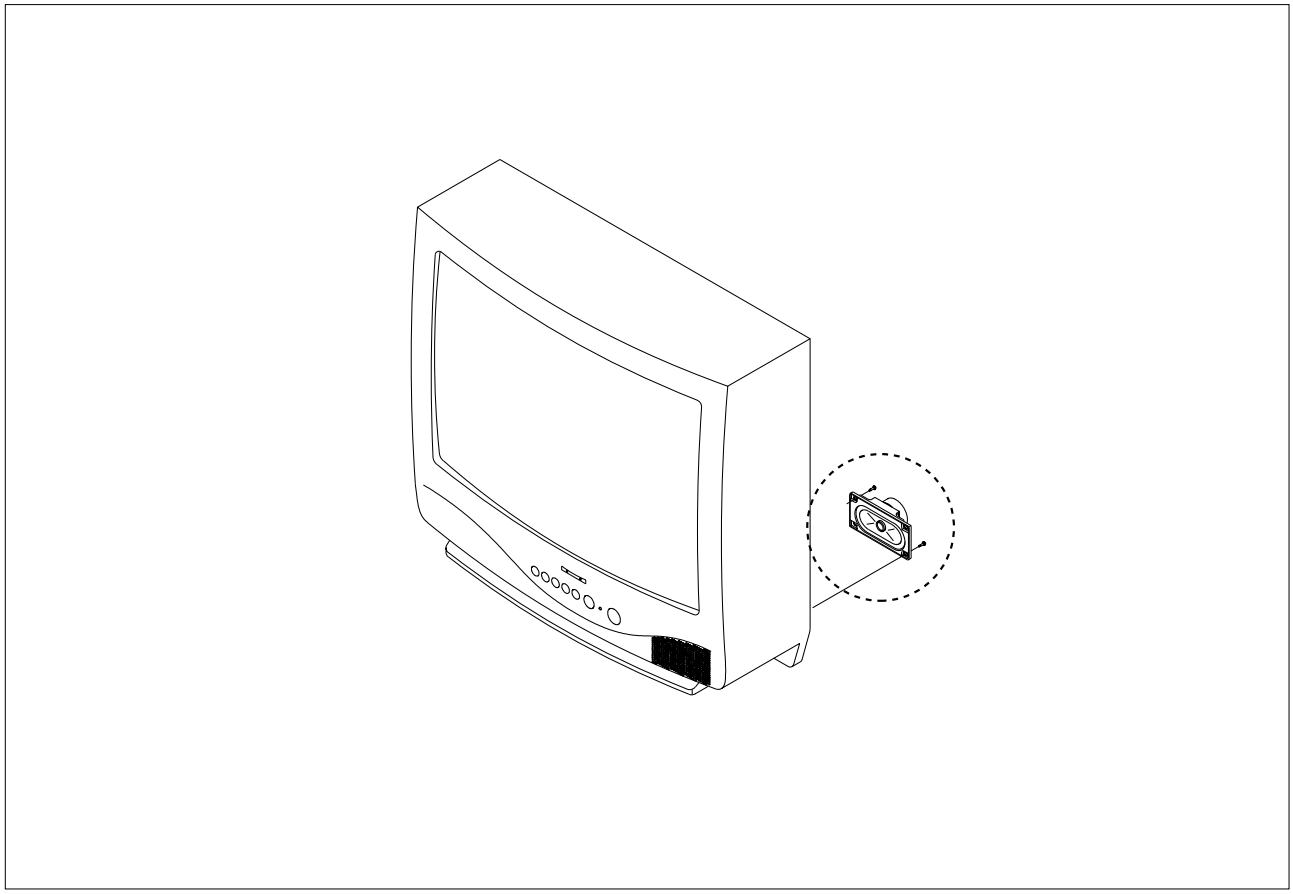


Fig. 3-4

3-4 CRT Removel

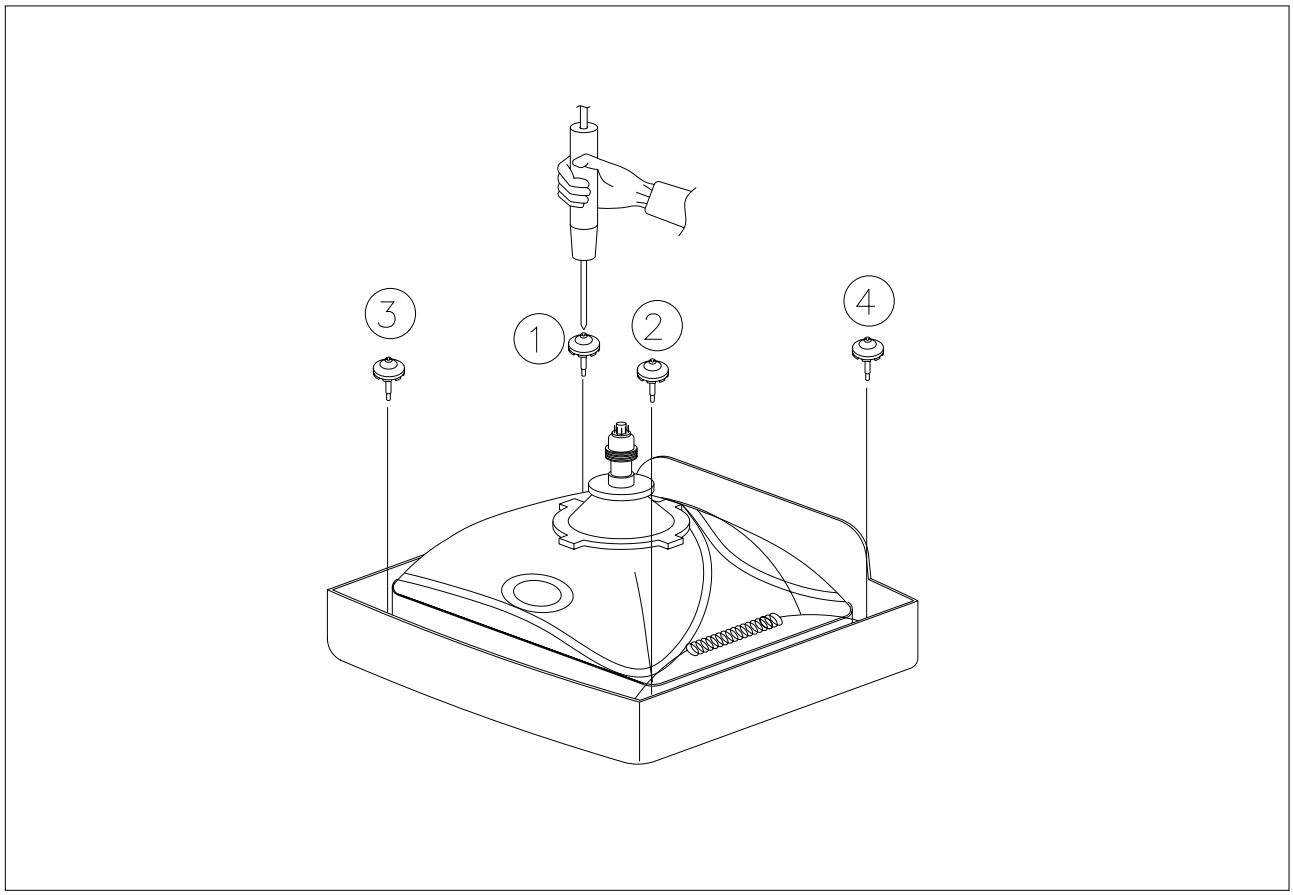


Fig. 3-5

1. Spread a soft mat on the floor. Place the TV set face down.

2. Remove the 4 nuts mounting the CRT to the front cabinet.

3. Lift the CRT.

4. Caution: Because of the high vacuum and large surface area of the picture tube, be careful while handling it:
   (1) Always lift the picture tube by grasping it firmly around the face-plate, (2) Never lift the tube by its neck. (3) Do not scratch the picture tube or apply excessive pressure. Fractures of the glass may cause an implosion.

4. Alignment and Adjustments

4-1 Service Mode Adjustments

4-1-1 Service Mode Menus

Since there are no VRs in the K15A chassis, all adjustments after parts replacement must be done in the Service Mode. Service Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

4-1-2 Entering the Service Mode

Press the following transmitter keys while in STAND-BY mode:

MUTE—>1—>8—>2—>POWER
"Factory Mode Menu" is displayed

ADJUSTMENT	<---selected (violet)
PATTERN	
OPTION	
RESET	

Enter Service Mode using the Volume +,- keys. Service Mode Menu:

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

Select a mode to be adjusted, using the channel down key. Example: VCO.

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

Change the data with "Volume +, - " keys.

VCO 71

Return to the Service mode by pressing MENU.

AGC	XX	RC	XXX
VCO	XX	GC	XXX
SBT	XX	BC	XX
SCT	XX	VA	XX
SCR	XX	VS	XX
STT	XXX	HS	XX
GG	XXX	SS	XX
BG	XXX	SVC : MUTE	

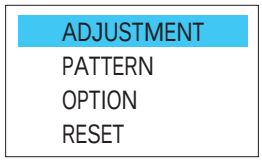
Return to the Factory mode via the MENU key.

ADJUSTMENT
PATTERN
OPTION
RESET

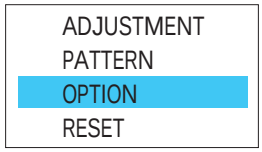
Press POWER to enter the Stand-by mode.

4-1-3 Adjustment in Option Mode

This adjustment is necessary whenever the EEPROM is replaced. Input data (as marked on the back cabinet).

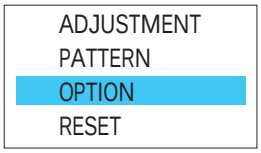


Select “SET OPTION” by pressing the Channel ▼ key twice.

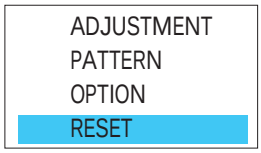


Press the Volume +, - keys to enter the set Option mode.

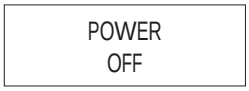
Press MENU to go back to the factory mode.



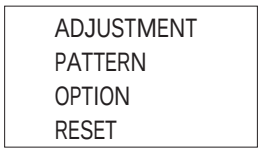
Select RESET with channel ▼ key.



Press volume + key.



4-1-4 Service Mode Adjustments



1. The Pattern Adjustment is done only in the factory. Do not attempt to readjust it.
2. Refer to 4-2 for other adjustments.
3. Set OPTION data.

4-1-5 Service Mode Adjustment Ratings

No	Item	Function	Range	Initalized MICOM Data
1	AGC	RF AGC Adjustment	0~63	50
2	VCO	PIF VCO Adjustment	0~127	63
3	SCT	SUB-CONTRAST Adjustment	0~63	48
4	SCR	SUB-COLOR Adjustment	0~27	13
5	STT	SUB-TINT Adjustment	0~27	7
6	RC	RED-CUT OFF Adjustment	0~255	0
7	GC	GREEN-CUT OFF Adjustment	0~255	0
8	BC	BLUE-CUT OFF Adjustment	0~255	0
9	SVC	Input a Horiz line pattern		
10	GG	GREEN-GAIN Adjustment	0~255	127
11	BG	BLUE-GAIN Adjustment	0~255	127
12	SBT	SUB-BRIGHTNESS Adjustment	0~63	31
13	VA	VERTICAL SIZE Adjustment	0~63	39
14	VS	VERTICAL CENTER Adjustment	0	0
15	HS	HORIZONTAL Phase Adjustment	0~31	15
16	SS	SUB-SHARPNESS Adjustment	0~31	4

Note : The initial MICOM data values take effect when IC902 is replaced.

4-2 Alignment and Adjustment

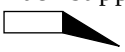
4-2-1 General Alignment Instructions

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as picture height, focus and a horizontal and vertical sync.

2. Observe the picture and check for good back and white details. There should be no objectionable color shading: If color shading is present, demagnetize the receiver. If color shading persists, perform purity and convergence adjustments described below.

3. To protect against shock hazard, use an isolation transformer.

4-2-2 Power Supply Check

Check the following:
A: Power plug is connected; “Stand-by” mode
B: Power On when “Power ON” button is pressed
C: Power On by FBT Each supply is marked on its lead-in wire. ()

4-2-3 Focus Adjustment

Adjust the focus control on the FBT for well defined scanning lines.

4-2-4 Fail Safe Circuit Check (FS) (OPTION)

1. The failsafe check must be the final step in servicing.

2. Turn the power switch ON and adjust customer controls for normal operation.

3. Temporarily short pin X to pin R on the main board (RX06, RX04) with a jumper wire. Raster will disappear.

4. The TV must remain in this state even after removing the jumper wire. This shows that the failsafe circuit is working properly.

5. To recover picture and sound, temporarily turn off the TV and allow the failsafe circuit more than 30 seconds to reset. Then switch power ON to produce normal picture and sound.

4-2-5 IC902 Replacement

1. When IC902 is replaced, all values are reset to “Initialized MICOM Data” and readjustment is necessary.

2. Press the POWER button 10 seconds after plug-in.

3. To enter the Service Mode, refer to Fig. 4-1 (Service Mode Adjustment).

4-2-6 PIF VCO Adjustment

1. Use a Pattern Generator or an off-air signal.

2. Open pin 11 of Micom (IC901) or one side of lead pin for R237.

3. Adjust VCO in the service mode to set IC101 Pin 44 (AFT) to 2.5V ± 0.4V.

4. Connect the opened site.

4-2-7 RF-AGC Adjustment

1. Input a PHILLIPS pattern.

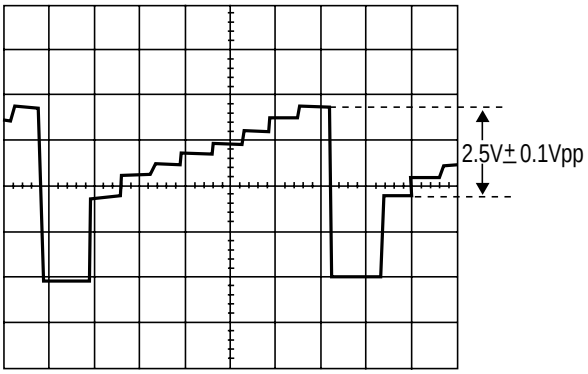
2. Set the input signal to 60 dB.

3. Enter into the AGC in the service mode.

4. Adjust AGC until color bar noise disappears.

4-2-8 Sub-Contrast Adjustment

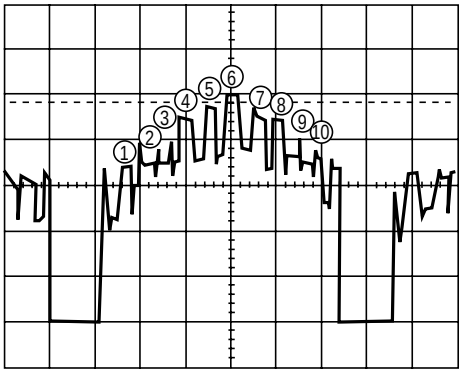
1. Input a gray scale pattern. Use a pattern generator (PM5518).
2. Short D208 to switch off the ABL feed-back.
3. Check CN201 R-OUT with an oscilloscope.
4. Set RC, BC, GC data to 0 in the Service Mode.
5. Adjust SCT to 2.40 ± 0.1Vp-p



6. Remove the short across D208 and restore ABL.

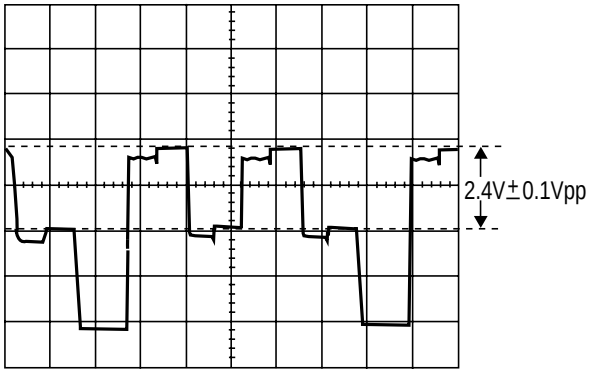
4-2-9 Sub-Tint Adjustment

1. Input a rainbow pattern.
2. Check CN201 B-OUT with an oscilloscope.
3. Adjust STT in the service mode until the 6th peak is the highest and the 5th and 7th peaks have equal heights.



4-2-10 Sub-Color Adjustment

1. Do sub-color adjustment after the Sub-Contrast and Sub-Tint adjustments.
2. D208 should still be shorted. The ABL should still be switched OFF.
3. Input a color bar pattern. Use a pattern generator (PM5518).
4. Check CN201 R-OUT (use an oscilloscope).
5. Ensure that the RC, GC and BC data are 0. BG are 140 and GG should be 90.
6. Adjust SCR to 2.4 ± 0.1Vp-p (black and red levels).
7. Remove the short across D208 and restore ABL.



4-2-11 White Balance Adjustment

4-2-11 (A) LOW-LIGHT ADJUSTMENTS

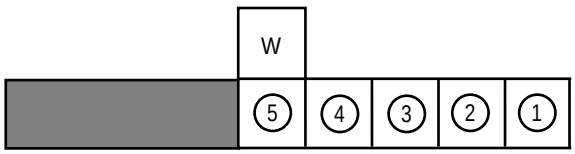
1. Input either a lion head or “pure white” color pattern.
2. Operate the receiver for 30 minutes.
3. Check the data in the service mode:
   RC, GC, BC are 0 and SB is 16;
   Steps BG are 90 and GG are 140.
4. Enter the horizontal line mode by pressing the MUTE key.
5. Adjust the screen VR on the FBT until a dim colored line (red,green or blue) appears on the screen.
6. After pressing the MUTE key, go to RC,BC or GC with channel ▲,▼keys. After putting a dim colored line (red, green or blue) in the horizontal line with MUTE key, adjust color with volume ▲,▼ keys.
7. Exit the horizontal line via the MUTE key.

4-2-11 (B) HIGH-LIGHT ADJUSTMENTS

1. Input a high-light pattern
2. Adjust GG,BG in the Service Mode.
3. Recheck in low light.

4-2-12 Sub-Brightness Adjustment

1. Input a Toshiba pattern.
2. Warm up the receiver for 10 minutes.
3. Enter the Service Mode and set SB to the point where the 5th point is brighter in the gray scale.



4-2-13 Vertical Size Adjustment

1. Input a lion head pattern.
2. After the vertical center adjustment, enter into the service mode.
3. Adjust VA so that the each top and bottom of the screen is 4.0. If the top and bottom values are different, adjust VA so that the sum of the two values is 8.0.

4-2-14 Horizontal Size Adjustment

1. Receive a lion head pattern.
2. Enter into the service mode.
3. Adjust HS to symmetrized right and left.

4-2-15 When CRT Is Replaced

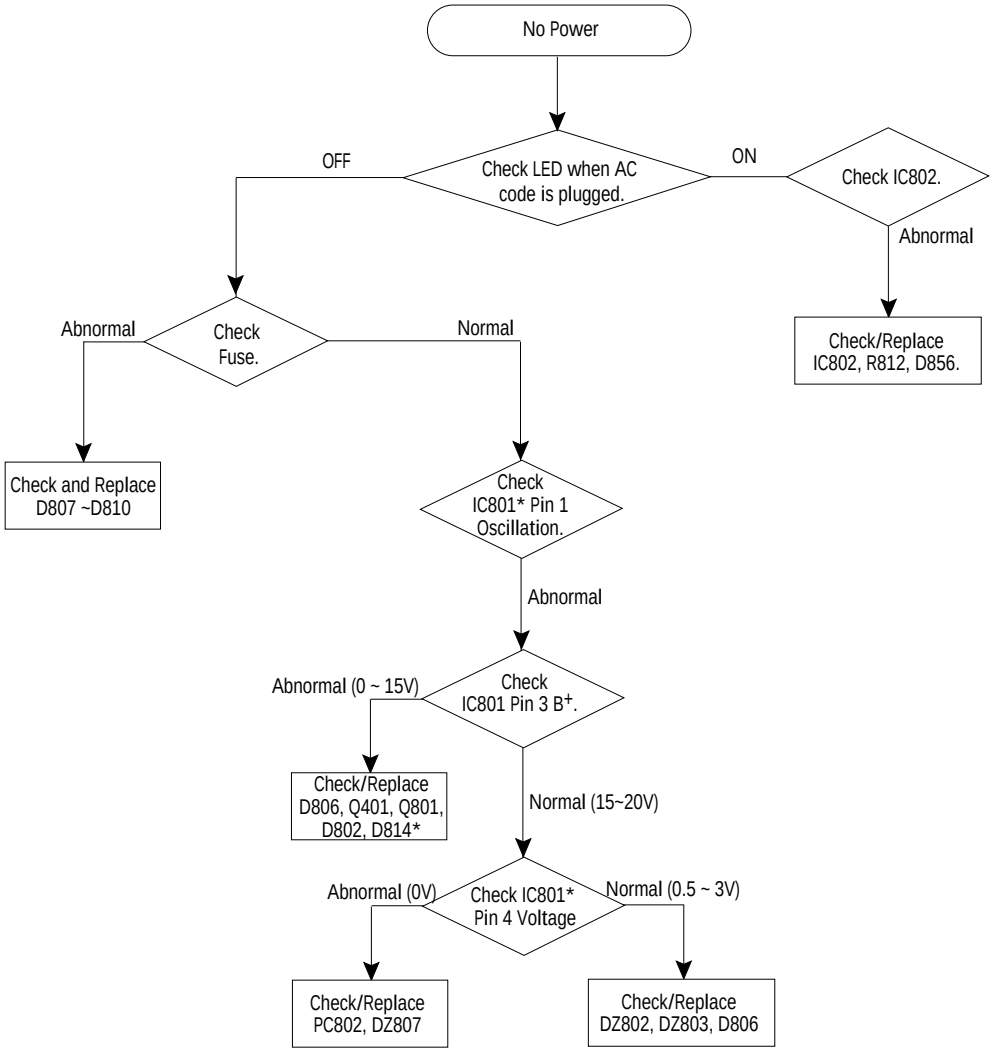
Do the following adjustments after the basic purity and convergence adjustments.

1. White Balance
2. Sub-brightness
3. Vertical Size
4. Horizontal Size
5. Fail safe (should be the final step).

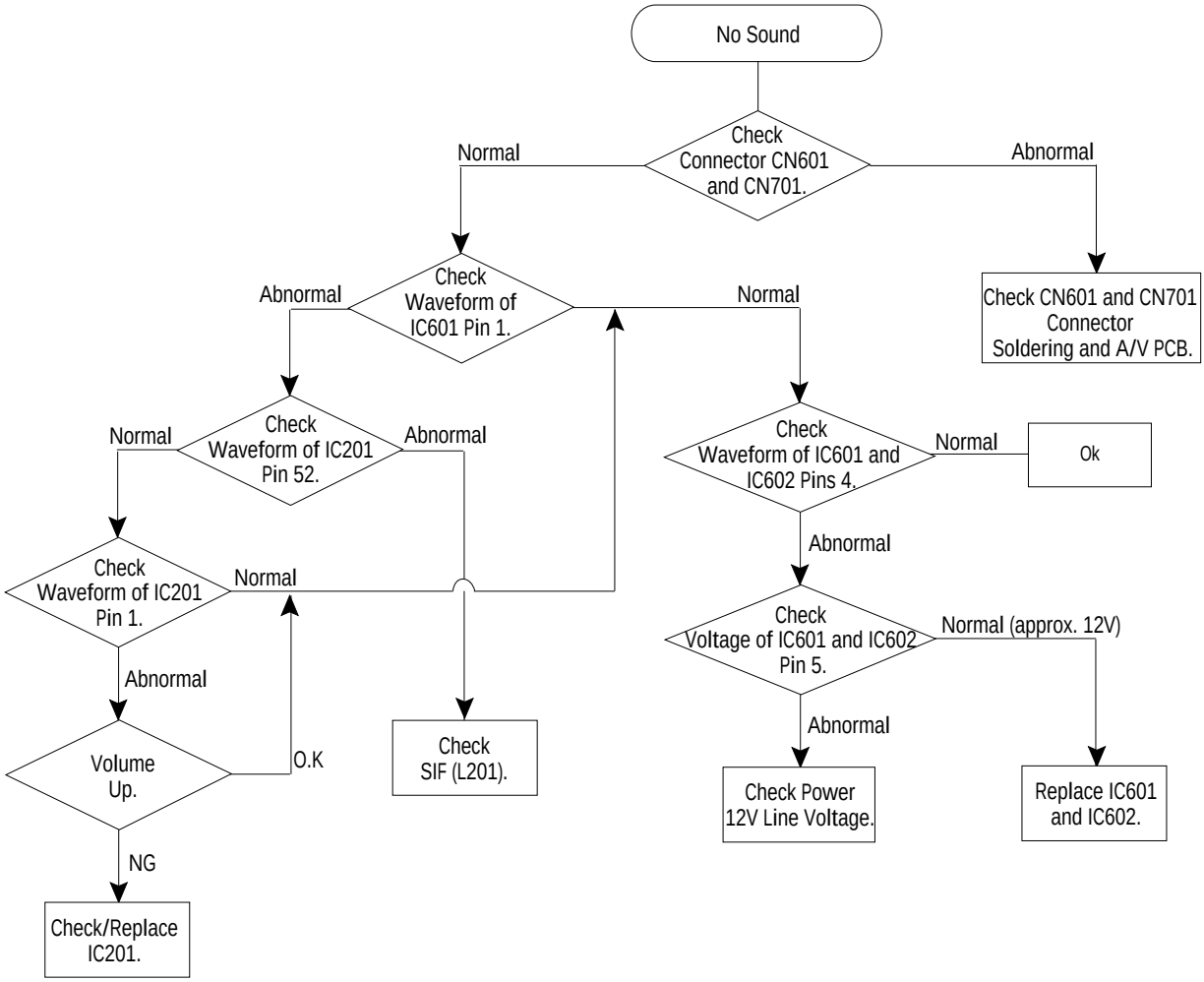
MEMO

5. Troubleshooting

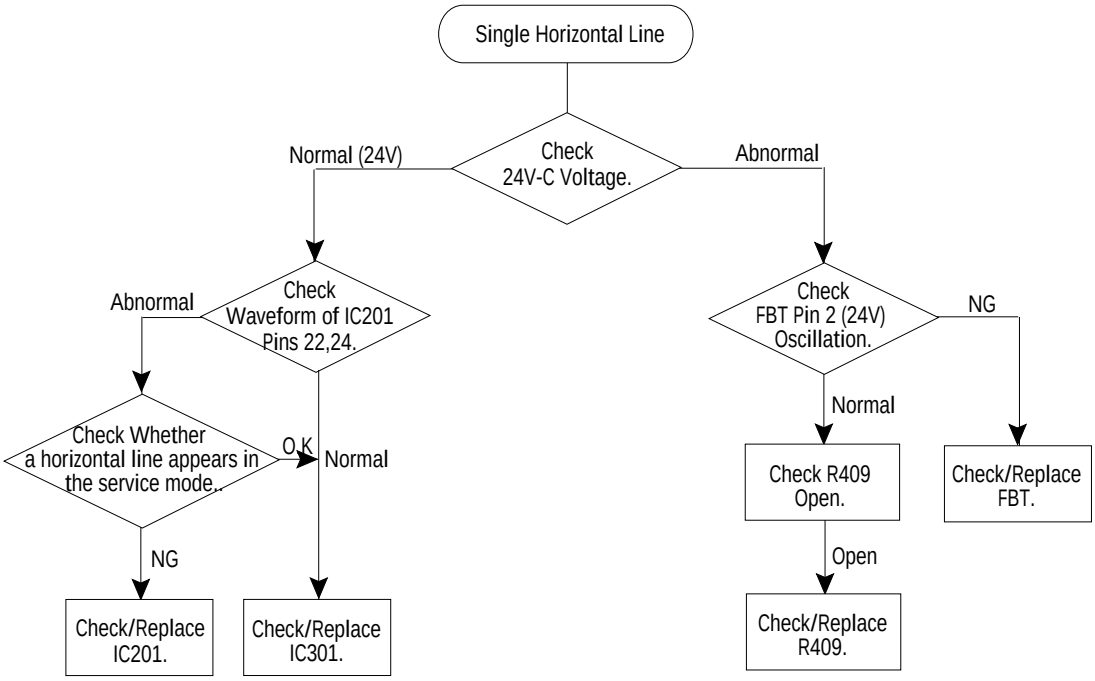
5-1 No Power



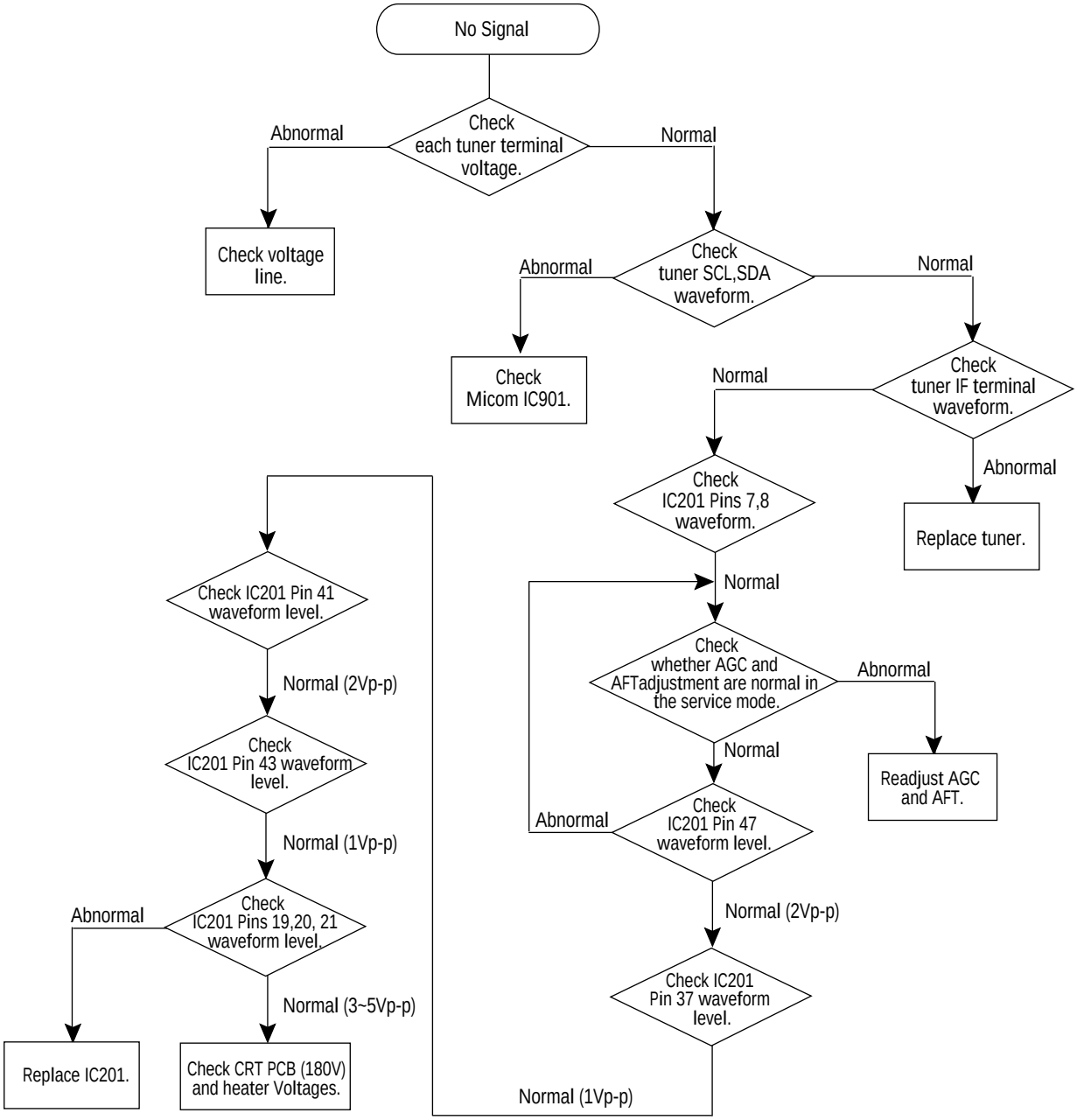
5-2 No Sound


No Sound
Check Connector CN601 and CN701.
Normal
Abnormal
Check CN601 and CN701 Connector Soldering and A/V PCB.
Check Waveform of IC601 Pin 1.
Abnormal
Normal
Check Waveform of IC201 Pin 52.
Normal
Abnormal
Check Waveform of IC601 and IC602 Pins 4.
Normal
Ok
Check Waveform of IC201 Pin 1.
Normal
Abnormal
Check Voltage of IC601 and IC602 Pin 5.
Normal (approx. 12V)
Abnormal
Volume Up.
O.K
Check SIF (L201).
Check Power 12V Line Voltage.
Replace IC601 and IC602.
NG
Check/Replace IC201.

5-3 Horizontal Line Appears

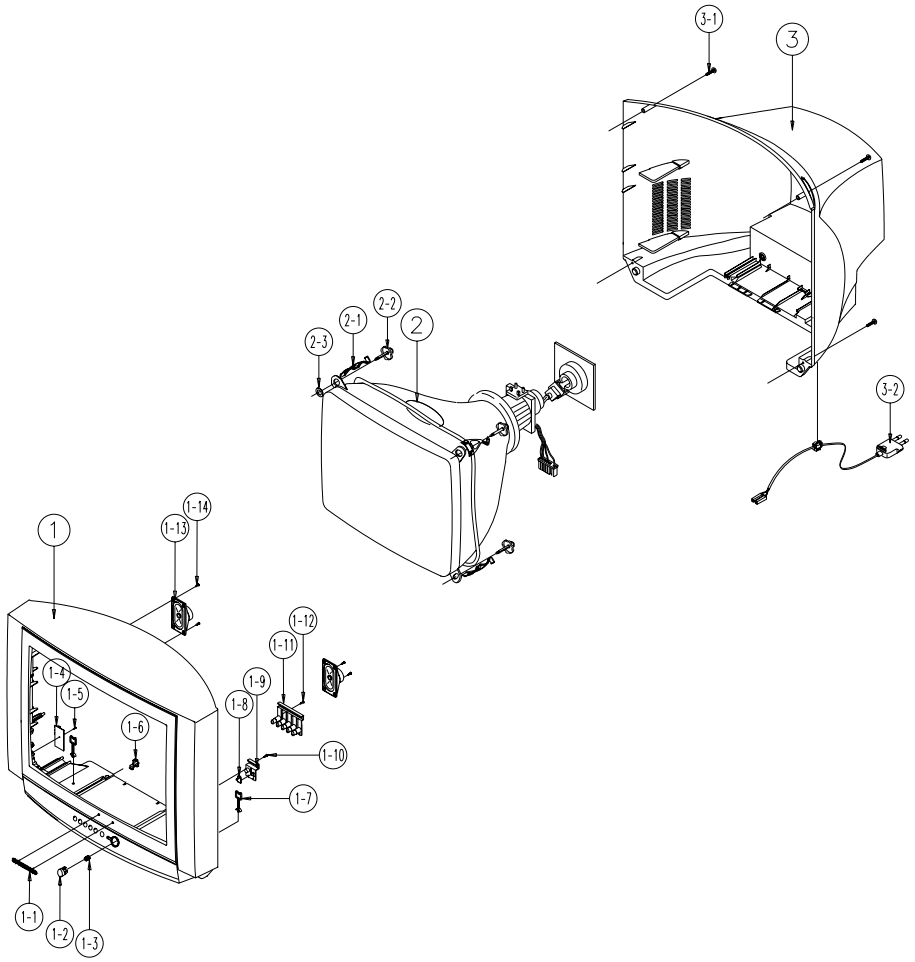


5-4 No Signal


No Signal
Check each tuner terminal voltage.
Abnormal
Normal
Check voltage line.
Check tuner SCL,SDA waveform.
Abnormal
Normal
Check Micom IC901.
Check tuner IF terminal waveform.
Normal
Abnormal
Check IC201 Pins 7,8 waveform.
Replace tuner.
Normal
Check whether AGC and AFTadjustment are normal in the service mode.
Abnormal
Normal
Readjust AGC and AFT.
Abnormal
Check IC201 Pin 47 waveform level.
Normal (2Vp-p)
Check IC201 Pin 37 waveform level.
Normal (1Vp-p)
Check IC201 Pin 41 waveform level.
Normal (2Vp-p)
Check IC201 Pin 43 waveform level.
Normal (1Vp-p)
Abnormal
Check IC201 Pins 19,20, 21 waveform level.
Normal (3~5Vp-p)
Replace IC201.
Check CRT PCB (180V) and heater Voltages.

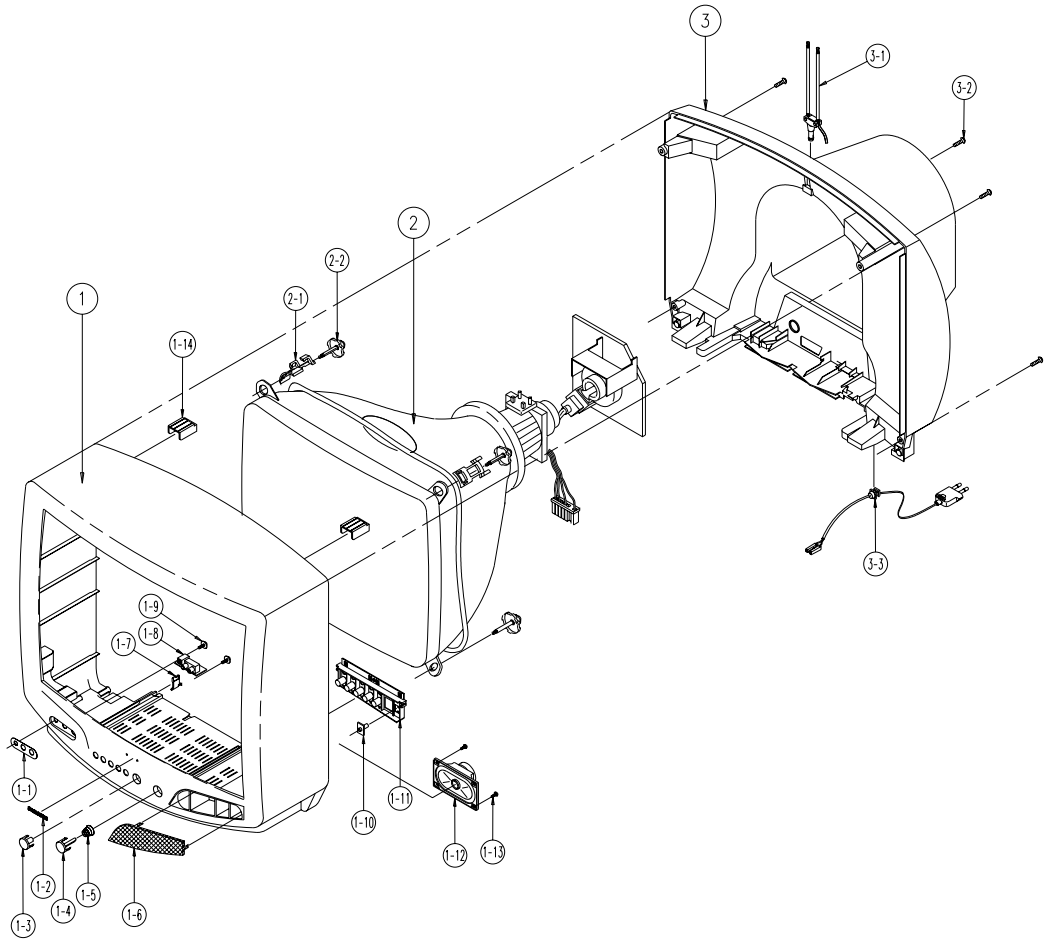
6. Exploded Views & Parts List

6-1 CT21D8L6X/XTC



No	Code No	Description	Specification	Q'ty	Remark
1	AA91-00589E	ASSY CABINET FRON	T;,21D8 NT-ASIA,(SPK)SV	1	
	AA64-01423C	CABINET FRONT	;21D8 NT-ASIA,S907P+D004P E	1	
1-1	AA64-70123B	BADGE-BRAND	;AL,R2000,SILVER,L=50,SAMSUNG	1	
1-2	AA64-01425B	KNOB POWER	;21D8,ABS,-,G3676,SV907P,HB,-	1	
1-3	AA61-60003J	SPRING-CS	;-,SUS304,0.5,OD6,H12,N7,-,-,-	1	POWER
1-4	AA95-01131A	ASSY-PCB, A/V SIDE	;,21D8,K15A,NTSC	1	
1-5	6002-000522	SCREW-TAPPING	;TH,+,2,M4,L15,ZPC(BLK),SWR	1	AV+CF
1-6	AA61-40113A	STOPPER-PCB	;501H,HIPS,NTR,HB,-,-	1	
1-7	AA65-30105A	CLAMP-WIRE	;NYLON 66,V2,NTR,15MM,ALL MODE	1	
1-8	AA64-01011B	INDICATOR LED	;29D8,ACRYL,-,CLR,-,-,-	1	
1-9	AA64-01426B	WINDOW REMOCON	;21D8,PC,-,-,-,VOILET,-,-	1	
1-10	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	1	WIN+CF
1-11	AA64-01012B	KNOB CONTROL	;29D8,ABS,-,G3676,SV-907P,HB	1	
1-12	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	1	KC+CF
1-13	3001-000274	SPEAKER	;5W,8ohm,90dB,160Hz	2	
1-14	6003-001019	SCREW-TAPTITE	;RH,+,B,M4,L12,ZPC(BLK),SWR	8	SPK+CF
2	AA94-50020B	ASSY-CRT	;A51KQJ63X(H),0MG,21,BARE,-,NO	1	
2-1	AA65-30107A	CLAMP-D,COIL	;NYLON 66,V2,NTR,-,20~22 INC	4	
2-2	AA60-10050R	SCREW-ASSY	;-,SWRCH18A,M5,L31.5,HH,+,WC,-	4	CRT+CF
3	AA64-01422E	CABINET BACK	;21D8,HIPS,HB,G4309	1	
3-1	AA60-10050T	SCREW-TAPPING	;-,SWRCH18A,M4,L20,RH,+,2S,	4	CB+CF
3-2	AA96-20112A	ASSY-POWER,CORD	;-,EP2/NO,H/C300,KJ10,THA	1	

6-2 CT5038G6X/XAP



No	Code No	Description	Specification	Q'ty	Remark
1	AA91-10382N	ASSY CABINET FRON	T;,5038,(SPK)SV704P EPN	1	
	AA64-31263Z	CABINET FRONT	;5038,SV704P EPN,HIPS,HB,G4	1	
2	AA61-40010A	BOSS-WING	;-,HIPS,HB,NTR,-,-	2	
3	AA61-40007A	STOPPER-PCB	;5038.5368,HIPS HB,-,NTR,-,-,	1	
4	AA64-10187G	KNOB POWER	;5038,ABS,-,G3676,NO-SILK,HB,-	1	
5	AA61-60003J	SPRING-CS	;-,SUS304,0.5,OD6,H12,N7,-,-,-	1	KNOPOW
6	AA64-70127F	BADGE-BRAND	;AL,SAMSUNG,SILVER,L40,R800,N	1	
7	AA64-40085A	WINDOW-REMOCON	;-,5038,-,PC,V0,VIOLET,-	1	
8	AA63-50056B	GRILLE-WOOFER	;-,5038,SV-704G,SECC,T0.5,-	1	
9	AA64-40188A	INDICATOR-LED	;-,5038,-,ACRYL,-,-,-	1	
10	AA64-10050C	KNOB-CONTROL	;-,5038,G3676,ABS,HB,GRAY	1	
11	3001-001020	SPEAKER	;3W,8ohm,90dB,140Hz	1	
12	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	2	SPK+CF
13	AA65-30107A	CLAMP-D,COIL	;NYLON 66,V2,NTR,-,20~22 INC	4	
14	AA60-10050R	SCREW-ASSY	;-,SWRCH18A,M5,L31.5,HH,+,WC,-	4	CRT+CF
15	AA27-20003X	COIL-DEGAUSSING	;-,20,14.4ohm,48T,L2170,	1	LC801S
16	AA03-10029W	CRT-COLOR	;-,A48KRD82X(H),+380mG,20,90de	1	
17	AA27-50004W	DEFLECTION-YOKE	;-,DSE-1992LL(1H),PCL,A48	1	
18	3704-001105	SOCKET-CRT	;11P,20PI,26.5PI,NI,-	1	V999S
19	AA64-30375B	CABINET-BACK	;-,5073,38,-,HIPS,HB,BLK,-,-	1	
20	AA42-10001V	ANT-ROD	;-,3S,620mm,BRN,UL/CSA	1	
21	6003-001026	SCREW-TAPTITE	;RH,+,B,M4,L15,ZPC(BLK),SWR	4	CB+CF
22	AA96-20109C	ASSY-POWER,CORD	;-,CP2/NO(4.0),H/C300,KKP	1	

7. Electric Parts List

7-1 CT21D8L6X/XTC

Loc. No.	Code No.	Description ; Specification	Remark

ASSY PCB MAIN(OPT)

1	*	AA94-02665R	ASSY PCB MAIN(OPT);CT21D8L6X/XTC,K15A,PH	
..2	C203	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
..2	CN501	AA39-20109A	LEAD CONNECTOR-ASSY;,8P,YBNH025-08,S,400	
..2	CU03	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
..2	D814A	AA96-00243D	ASSY H/S;-,BRIDGE,AA62-00045A,D06U20S,D	
...3		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3		0402-001374	DIODE-RECTIFIER;FFPF06U20S,200V,6A,TO-22	
...3		6003-000335	SCREW-TAPTITE;RH,+,2S,M3,L8,ZPC(YEL),SWR	
...3		AA62-00045A	HEAT SINK-PS;-,-,T1.0,-,-,DREAM,-,-,-,-	S.N.A
..2	GT101A	AA39-20010D	LEAD CONNECTOR-ASSY;,1P,YFH800-01,S,400,	
..2	IC601	AA96-50397A	ASSY-H/S;-,-,AA62-30180J,TDA7266S,-	
...3		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
...3		1201-001308	IC-POWER AMP;7266,ZIP,15P,-,DUAL,26dB,PL	
...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
...3		AA62-30180J	HEAT SINK-ES;-,A6063 EXTR,-,WHT,-,-,-,40	S.N.A
..2	JA701	3722-001453	JACK-RCA;3P,3.4mm,NI,BLK,-	
⚠ ..2	LC801S	AA27-00144A	COIL DEGAUSSING;,48T,9OHM,21INCH,110/220	
..2	R988	2301-000235	C-FILM,PEF;3.9nF,5%,50V,TP,6.5x3.0x5.5mm	
..2	RESET	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
⚠ ..2	T444S	AA26-30001Y	TRANS-FLYBACK;-,FSV-20A001,20,125V	
..2	X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
..2		AA61-00726B	HOLDER-COVER;K15A,NYLON 66,-,-,-,BLK,V2,	
..2		AA98-60005V	ASSY-SUB,PART;KCT15A,MAIN,-,-	S.N.A
...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2		AA99-30219B	ASSY-PCB ROBOT; AA94-02665R ,ER	S.N.A
...3	C801	2401-002219	C-AL;220uF,20%,400V,GP,ST,25x40,10	
...3	CN704	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIG	
⚠ ...3	CR401S	2306-000327	C-FILM,MPPF;6.3nF,3%,1.6KV,TP,28.5x18x10	
⚠ ...3	CY801S	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
⚠ ...3	FP801S	3601-001012	FUSE;250V,4A,SLOW-BLOW,GLASS,5.2x20	
⚠ ...3	IC201S	1204-001259	IC-VIDEO SYSTEM;TA1282N,DIP,56P,600MIL,P	
...3	IC301	AA96-50075A	ASSY-H/S;-,VERT,AA62-30032A,KA2131,ROBO	S.N.A
....4		1204-000475	IC-VIDEO SYSTEM;KA2131,SIP,10P,-,PLASTIC	
....4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
....4		AA62-30032A	HEAT SINK-PS;-,SPC-1,T1.0,-,FT-2,V-PRO,-	S.N.A
⚠ ...3	IC801S	AA96-00242A	ASSY H/S;-,-,AA62-30186B,KA5Q0765R,-	
....4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
....4		1203-001932	IC-PWM CONTROLLER;5Q0765,TO-220F,5P,185M	
....4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
....4		AA62-30186B	HEAT SINK-ES;-,-,-,SILVER,171J + COVER-H	S.N.A
⚠ ...3	IC802	1203-001532	IC-POSI.FIXED REG.;7631,SIP,10P,-,PLASTI	
...3	IC901	AA09-00074A	IC-MCU;Z9036512PSC-R50C7,CT-5066,42P,	
...3	IC902	1103-001212	IC-EEPROM;M24C02-WBN6,256x8Bit,SDIP,8P,3	
...3	LD901	AA96-00555A	ASSY LED GUIDE;-,-,UEX-LD-030,GREEN	S.N.A
⚠ ...3	LR401S	AA27-30001A	COIL-LINEARLITY;-,157uH,QIC1010,PI0.4,4.	
⚠ ...3	LX801S	AA29-30001D	FILTER-LINE NOISE;SQ1913,-,6.0MH,0.8A,-	
⚠ ...3	NT801S	1404-001045	THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,T	
⚠ ...3	P801S	1404-001156	THERMISTOR-PTC;9OHM,+30%/-20%,220VRMS,27	
⚠ ...3	PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
...3	Q401	0502-001115	TR-POWER;KSC5386,NPN,50W,TO-3PF,ST,8-	
...3	RM901	AA59-60001U	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	
⚠ ...3	SF101S	2904-001241	FILTER-SAW AV;45.75MHz,SIP5K,ST,14.4dB,M	
⚠ ...3	SW906	3404-000295	SWITCH-TACT;12VDC,50mA,160gf,8.4X22.7,SP	
...3	T401	AA26-50001B	TRANS-HORIZ.DRIVE;-,7.1mH,102uH,10-20uH,	
⚠ ...3	T801S	AA26-00043A	TRANS SWITCHING;-,-,-,AC90~260V,125/12.5	
⚠ ...3	TU01S	AA40-00045A	TUNER-F/S;TECC1070PG32A(S),NTSC,TR,181CH	
⚠ ...3	V999S	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-	
...3	X202	2802-000172	RESONATOR-CERAMIC;503.5KHZ,0.5%,BK,7.0X3	
...3		AA99-10213D	ASSY-PCB MAIN,AUTO; AA99-30219B ,V	S.N.A
....4	04LOT	AA41-11037H	PCB-MAIN;K15A,1L,CEM-1,245x245x1.6T,1A,	S.N.A
....4	C101	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C102	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C104	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C108	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C110	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
....4	C151	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C153	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C201	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
....4	C202	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
....4	C204	2301-000188	C-FILM,PEF;1nF,5%,100V,TP,10.5x12.5x6.5,	
....4	C205	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
....4	C206	2305-001011	C-FILM,MPEF;22nF,5%,100V,TP,3.5x12.5x7.5	
....4	C207	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
....4	C209	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C210	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C211	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C212	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
....4	C213	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
....4	C214	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
....4	C215	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4	C218	2301-000395	C-FILM,PEF;18nF,5%,50V,TP,6.5x12.5x3.5mm	
....4	C219	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C220	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C221	2401-002462	C-AL;33uF,20%,16V,GP,TP,5x11,5	
....4	C222	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C225	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C226	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C227	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C229	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C230	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
....4	C231	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
....4	C232	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
....4	C234	2301-000232	C-FILM,PEF;3.3nF,5%,50V,TP,8.1x4.5x13mm,	
....4	C235	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
....4	C236	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C237	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
....4	C301	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
....4	C303	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4	C304	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
....4	C305	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
....4	C306	2401-002458	C-AL;1000uF,20%,35V,GP,TP,16x25,7.5	
....4	C308	2301-000310	C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5,	
....4	C309	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
....4	C310	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4	C311	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4	C312	2401-003561	C-AL;1uF,10%,50V,GP,TP,5x11mm,5	
....4	C313	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
....4	C401	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C405	2305-000704	C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5	
....4	C406	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
....4	C407	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20,5	
....4	C408	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
....4	C409	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
....4	C410	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
....4	C411	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
....4	C412	2401-000927	C-AL;22uF,20%,250V,GP,TP,13x20,5	
....4	C413	2401-002268	C-AL;2.2uF,20%,250V,LZ,TP,8X11,5	
....4	C444	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
....4	C445	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
....4	C501	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
....4	C502	2202-000862	C-CERAMIC,MLC-AXIAL;390pF,10%,50V,Y5P,TP	
....4	C503	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
....4	C505	2201-000723	C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
....4	C601	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
....4	C602	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4	C603	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C604	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4	C611	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
....4	C612	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
....4	C701	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4	C705	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	

Loc. No.	Code No.	Description ; Specification	Remark
....4 C802	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
....4 C803	2301-001435	C-FILM,PPF;1.5nF,5%,1.2kV,TP,15x8x12.5mm	
....4 C805	2201-000991	C-CERAMIC,DISC;0.56nF,10%,2kV,Y5P,TP,7.5	
....4 C806	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
....4 C807	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.	
....4 C808	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
....4 C810	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
....4 C811	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
....4 C812	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
....4 C816	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C817	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
....4 C820	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm,	
....4 C821	2401-001486	C-AL;47uF,20%,160V,HR,TP,13x20mm,5m	
....4 C822	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4 C823	2201-000370	C-CERAMIC,DISC;0.22nF,10%,50V,Y5P,TP,4x3	
....4 C851	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
....4 C852	2301-000235	C-FILM,PEF;3.9nF,5%,50V,TP,6.5x3.0x5.5mm	
....4 C901	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
....4 C902	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 C903	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C904	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 C905	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
....4 C906	2201-000471	C-CERAMIC,DISC;0.33nF,10%,50V,Y5P,TP,4x3	
....4 C907	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C908	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
....4 C909	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
....4 C910	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
....4 C911	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C912	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
....4 C915	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4 CN604	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,STRAIGH	
⚠ 4 CR402S	2201-000467	C-CERAMIC,DISC;0.33nF,10%,2kV,Y5P,TP,6.3	
⚠ 4 CR403S	2306-000004	C-FILM,MPPF;330nF,5%,250V,TP,20x18.5x10.	
....4 CS601	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
....4 CS602	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
....4 CS603	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 CS608	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
....4 CS609	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
....4 CU02	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 D101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4 D102	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D103	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D201	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
....4 D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D204	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D205	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4 D206	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D207	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D208	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D210	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4 D299	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 D301	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D302	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 D401	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D403	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D404	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D405	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D407	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D701	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
⚠ 4 D801S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D802	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
⚠ 4 D802S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D803	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
⚠ 4 D803S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D804	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
⚠ 4 D804S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D805	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D806	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D855	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D856	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D904	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	

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....4 D905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D907	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 DS602	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
....4 DS603	0403-001325	DIODE-ZENER;MTZJ15C,14.35-15.09V,500mW,D	
....4 DZ201	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ202	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ203	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ204	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ205	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ206	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ207	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ208	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ209	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ601	0403-000719	DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
....4 DZ602	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ603	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ610	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4 DZ802	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ806	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500mW,DO	
....4 DZ808	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
....4 DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 DZ903	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4 DZ904	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
....4 F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ 4 FA801S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
....4 L102	2701-000178	INDUCTOR-AXIAL;33uH,10%,3x7mm	
....4 L152	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
....4 L201	AA26-10004K	TRANS-IF;-,7MG,SIF,11.5uH,7mm,100pF,4.8	
....4 L202	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
....4 L203	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4 L204	2701-000207	INDUCTOR-AXIAL;56uH,5%,2.5x3.4mm	
....4 L205	AA26-10004C	TRANS-IF;-,7MG,VIF,0.37uH,7mm,27pF,52.3	
....4 L206	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
....4 L208	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L301	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4 L402	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
....4 L501	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L502	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L503	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L602	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4 L802	3301-001223	CORE-FERRITE BEAD;AA,62ohm,3.5x0.8x5mm,-	
....4 L803	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L804	3301-001223	CORE-FERRITE BEAD;AA,62ohm,3.5x0.8x5mm,-	
....4 L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L810	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
....4 L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L901	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L999	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 Q151	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625mW,TO-92,	
....4 Q201	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q202	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q203	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q402	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
....4 Q501	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q502	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q503	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q601	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q801	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
....4 Q903	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 QU01	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
....4 R101	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R102	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R104	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
....4 R105	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
....4 R106	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
....4 R107	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
....4 R152	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R153	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R154	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R155	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R156	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R157	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R158	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

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....4 R159	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R201	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R202	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R203	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R204	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R205	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R206	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R207	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R208	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R209	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R210	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R211	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R212	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R213	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R214	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R215	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R218	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R219	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R222	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R223	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R226	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R227	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R228	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R229	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R230	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R231	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R233	2001-000011	R-CARBON;75KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R234	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R235	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R236	2001-000548	R-CARBON;270KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R237	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R239	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R240	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R241	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R242	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R251	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R252	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R253	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R257	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
....4 R301	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R302	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4 R303	2001-000319	R-CARBON;120KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R304	2003-001089	R-METAL OXIDE(S);1.8ohm,5%,1W,AF,TP,3.9x	
....4 R305	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R306	2001-000380	R-CARBON;160KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R307	2001-000679	R-CARBON;36KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R308	2001-000702	R-CARBON;39KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R309	2003-000649	R-METAL OXIDE(S);330ohm,5%,1W,AF,TP,3.3x	
....4 R401	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R402	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R403	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R404	2001-001136	R-CARBON(S);36OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R405	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
....4 R406	2008-001107	R-FUSIBLE(S);300ohm,5%,2W,AG,TP,3.9x12mm	
....4 R407	2003-002102	R-METAL OXIDE;68Kohm,5%,2W,AF,TP,4x12mm	
....4 R409	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4 R410	2008-000206	R-FUSIBLE(S);1ohm,5%,1/2W,AF,TP,2.5x6.5m	
....4 R411	2004-001891	R-METAL(S);133Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4 R412	2004-001405	R-METAL(S);79Kohm,1%,1/2W,AA,TP,2.4x6.4m	
....4 R415	2003-000784	R-METAL OXIDE(S);7.5Kohm,5%,2W,AF,TP,4x1	
....4 R416	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R417	2001-001410	R-CARBON(S);43OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R444	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R501	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R502	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R503	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R504	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R505	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R506	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R507	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R508	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R509	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R510	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R511	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R512	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R513	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R514	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description ; Specification	Remark
....4 R515	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
....4 R517	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R518	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
....4 R599	2008-001053	R-FUSIBLE;22ohm,5%,1/2W,AF,TP,2.5x6.5mm	
....4 R601	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R602	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R603	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R604	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R606	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R607	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R610	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R611	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R701	2001-001187	R-CARBON(S);75OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R702	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R801	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R802	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R803	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R807	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R808	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R809	2008-000205	R-FUSIBLE(S);10ohm,5%,1/2W,AF,TP,2.5x6.5	
....4 R810A	2008-000261	R-FUSIBLE(S);150ohm,5%,1W,AF,TP,3.9x10mm	
....4 R811	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R812	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
....4 R814	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R816	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R817	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R819	2008-000284	R-FUSIBLE(S);0.1OHM,10%,2W,AF,TP,3.9X10M	
....4 R819A	2008-000284	R-FUSIBLE(S);0.1OHM,10%,2W,AF,TP,3.9X10M	
....4 R820	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R821	2004-004089	R-METAL(S);123Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4 R823	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R824	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
....4 R825	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R852	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R853	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4 R854	2001-001125	R-CARBON(S);300KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R901	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R902	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R903	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R904	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R905	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R906	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R907	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R909	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R910	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R911	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R913	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R914	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R915	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R916	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R917	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R918	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R919	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R920	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R921	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R922	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R923	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R924	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R925	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R926	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R927	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R929	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R930	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R931	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R933	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R936	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R937	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R938	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R939	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R940	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R941	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R951	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R952	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R988	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RH01	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
....4 RH02	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	

Loc. No.		Code No.	Description ; Specification	Remark
⚠ 4	RR401S	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4	RS601	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4	RS602	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4	RS604	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4	RS605	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RS606	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RS607	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4	RS613	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4	RS614	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RU02	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RU03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4	RU06	2001-000397	R-CARBON;180KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4	RU07	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
....4	RU10	2001-000780	R-CARBON;4700HM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4	RY801S	2002-001013	R-COMPOSITION;4.7Mohm,5%,1/2W,AA,TP,3.7x	
....4	SW901	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW902	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW903	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW904	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4	SW905	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
⚠ 4	VX801S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
....4	X201	2801-003725	CRYSTAL-UNIT;3.579545MHz,20ppm,28-AAM,16	
....4	Z201	2903-001022	FILTER-CERAMIC;BR,4.5MHz,-,-,-,TP,-	
....4	Z601	2903-000135	FILTER-CERAMIC;BP,4.5MHz,120KHz,6dB,-,TP	
..2		AA65-30009A	CLAMP-FBT;ABS,V0,BLK,-,-,-	S.N.A
..2		AA65-30018A	CLAMP-WIRE;NYLON-66,-,-,DATL-600,DONG-A,	S.N.A
..2		AA65-30104C	CLAMP-WIRE;NYLON 66,V2,NTR,W1 Z4,ALL MOD	S.N.A

ASSY-PCB,SOUND

1	*	AA95-00437A	ASSY-PCB,SOUND;-,CT5066BZG,K15A,-,-,TURB	
..2	CNA01	3711-002702	CONNECTOR-HEADER;NOWALL,4P,1R,2.5mm,ANGL	
..2	CNA02	3711-002703	CONNECTOR-HEADER;NOWALL,5P,1R,2.5mm,ANGL	
..2	CNA03	AA61-10068A	BRACKET-PCB;M2160,SPTE,T0.3,-,-,-,-	S.N.A
..2	ICA02	1204-001455	IC-VOLUME/TONE CONT.;TDA7449,DIP,20P,300	
..2		AA41-00072A	PCB-STEREO MODULE;K15A,1L,FR-1,245X245X1	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
..2		AA99-20060B	ASSY-PCB SUB,AUTO; AA95-00437A ,V	S.N.A
...3	CA01	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
...3	CA02	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3	CA03	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3	CA04	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3	CA05	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
...3	CA06	2305-000708	C-FILM,MPEF;150nF,5%,100V,TP,16.5x10.3x5	
...3	CA07	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
...3	CA08	2305-000355	C-FILM,MPEF;330nF,5%,63V,TP,-,5mm	
...3	CA09	2305-000708	C-FILM,MPEF;150nF,5%,100V,TP,16.5x10.3x5	
...3	CA10	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
...3	CA11	2301-000289	C-FILM,PEF;5.6nF,5%,50V,TP,7x6x3,5	
...3	CA12	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
...3	CA13	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
...3	CA32	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP	
...3	DA01	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
...3	QA01	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,T	
...3	RA01	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
...3	RA05	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RA06	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RA07	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RA08	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RA18	2001-000674	R-CARBON;3600HM,5%,1/8W,AA,TP,1.8X3.2MM	
...3	RA19	2001-000281	R-CARBON;1000HM,5%,1/8W,AA,TP,1.8X3.2MM	

ASSY-PCB, A/V SIDE

1	*	AA95-01131A	ASSY-PCB, A/V SIDE;,21D8,K15A,NTSC	
..2	CE01	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
..2	CE02	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
..2	CN705A	AA39-20071D	LEAD CONNECTOR-ASSY;,12P,YBNH025-12,6709	
..2	JE601	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
..2	JR01	3722-001031	JACK-RCA;3P,3.6MM,#18,AU	
..2	RE01	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
..2	RE02	2001-001077	R-CARBON(S);150OHM,5%,1/2W,AA,TP,2.4X6.4	
..2		AA41-00414A	PCB-SIDE A/V;CT21D8,FR-1,1L,A,1.6T,245x2	S.N.A
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A

ASSY CABINET FRONT

1	*	AA91-00589E	ASSY CABINET FRONT;,21D8 NT-ASIA,(SPK)SV	S.N.A
..2	KC+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	POWER	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	
..2	SPK+CF	6003-001019	SCREW-TAPTITE;RH,+,B,M4,L12,ZPC(BLK),SWR	
..2	WIN+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2		AA64-01426B	WINDOW REMOCON;21D8,PC,-,-,-,VOILET,-,-	
..2		AA64-01425B	KNOB POWER;21D8,ABS,-,G3676,SV907P,HB,-,	
..2		AA64-70123B	BADGE-BRAND;AL,R2000,SILVER,L=50,SAMSUNG	
..2		AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	S.N.A
..2		AA96-10146C	ASSY SPEAKER;-,8ohm,5W,3001-000274,350/7	
...3		3001-000274	SPEAKER;5W,8ohm,90dB,160Hz	
...3		AA39-20505M	LEAD CONNECTOR-ASSY;,4P,YSH025-04,REC,35	
..2		AA64-01423C	CABINET FRONT;21D8 NT-ASIA,S907P+D004P E	
..2		AA61-40113A	STOPPER-PCB;501H,HIPS,NTR,HB,-,-	
..2		AA64-01011B	INDICATOR LED;29D8,ACRYL,-,CLR,-,-,-	S.N.A
..2		AA64-01012B	KNOB CONTROL;29D8,ABS,-,G3676,SV-907P,HB	
..2		AA64-01309M	INLAY AV;PS SHEET,21D8,T0.3,K15A L/S	

ASSY CABINET

1	*	AA90-00691C	ASSY CABINET;21D8,CT21D8L6X/XTC	S.N.A
..2	AV+CF	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWR	
..2	BACK	AA60-00091A	SPACER-FELT;-,FELT,150X10,-,-,BLK,T0.35,	S.N.A
..2	CB+CF	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	
..2	CB+JCK	AA60-10050T	SCREW-TAPPING;-,SWRCH18A,M4,L20,RH,+,2S,	
..2	CRT+CF	AA60-10050R	SCREW-ASSY;-,SWRCH18A,M5,L31.5,HH,+,WC,-	
..2		AA65-30107A	CLAMP-D,COIL;NYLON 66,V2,NTR,-,20~22 INC	S.N.A
..2		AA63-60004K	SPACER-GUM,CRT;-,NTR RUBBER,-,-,-,BLK,T2	S.N.A
..2		AA64-01422E	CABINET BACK;21D8,HIPS,HB,G4309	
..2		AA64-60385G	INLAY BACK;3E,K15A-1 3PIN S/T,PS SHEET,T	S.N.A
..2		AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	S.N.A

ASSY-CRT

⚠1	*	AA94-50020B	ASSY-CRT;A51KQJ63X(H),0MG,21,BARE,-,NO	S.N.A
..2		AA63-60028A	SPACER-DY;-,NEOPRENE,-,-,-,BLK,-,-,V0 W1	
..2		AA27-50004K	DEFLECTION-YOKE;-,DST-2192ML(H1),ST-3,A5	
..2		AA27-00002A	MAGNET-CONVERGENCE;-,JH291-SC-OB,29.1MM	
..2		AA03-10027E	CRT-COLOR;-,A51KQJ63X(H),0mG,21,90deg,5	

ASSY-POWER,CORD

⚠1	*	AA96-20112A	ASSY-POWER,CORD;-,EP2/NO,H/C300,KJ10,THA	S.N.A
..2		3811-000401	WIRE-PVC CU;BCWA,300V,ROLL,17/0.16mm,#22	S.N.A
..2		AA39-10006K	POWER-CORD;-,KJ-10,SPT-2 2/18AWG,2400,3P	
..2		AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	S.N.A

ASSY-TBC,WIRE(P)

1	*	AA98-70014C	ASSY-TBC,WIRE(P);-,21,NTSC,1P,TVI	S.N.A

ASSY ACCESSORY

1	*	AA94-00386B	ASSY ACCESSORY;CT21S4W6X/XTC,K15A,PHILIP	S.N.A
..2		AA68-00790E	MANUAL USERS;,ENG,W/P100(G),1',A5,K15A,H	S.N.A
..2		AA42-00003A	ANT ROD;-,3S,720mm,ABS,UL/CSA,-	

Loc. No.		Code No.	Description ; Specification	Remark
..2		AA26-90001E	TRANS-MATCHING;-,300ohm/75ohm,NTSC,40-89	
...3		2011-001061	RC-NETWORK;1-2Mohm,-,270pF,2,1/2W,2P	

REMOCON

1	*	AA59-00077A	REMOCON;-,TM59,SZM370PH,25,L/GRAY,SS,E	

7-2 CT5038G6X/XAP

Loc. No.	Code No.	Description ; Specification	Remark

ASSY PCB MAIN(OPT)

	1	*	AA94-02364L	ASSY PCB MAIN(OPT);CT50386X/XAP,KS2A,PAN	
	..2	CN501	AA39-20109A	LEAD CONNECTOR-ASSY;,8P,YBNH025-08,S,400	
	..2	CU03	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
	..2	GT101A	AA39-20010D	LEAD CONNECTOR-ASSY;,1P,YFH800-01,S,400,	
	..2	IC601	AA96-50382C	ASSY H/S;-,-,-AA62-30180C,TDA7266M,-	
	...3		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
	...3		1201-001600	IC-AUDIO AMP;7266,ZSIP,15P,-,SINGLE,26dB	
	...3		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	...3		AA62-30180C	HEAT SINK-ES;-,A6063 EXTR.,2,WHT,50MM,-,	S.N.A
⚠	..2	LC801S	AA27-20003X	COIL-DEGAUSSING;-,20,14.4ohm,48T,L2170,	
	..2	R988	2301-000235	C-FILM,PEF;3.9nF,5%,50V,TP,6.5x3.0x5.5mm	
	..2	RESET	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
⚠	..2	T444S	AA26-30001Y	TRANS-FLYBACK;-,FSV-20A001,20,125V	
	..2	X901	2801-003224	CRYSTAL-UNIT;32.768KHZ,20PPM,28-AAY,12.5	
	..2		AA65-30018A	CLAMP-WIRE;NYLON-66,-,-,DATL-600,DONG-A,	S.N.A
	..2		AA61-00726B	HOLDER-COVER;K15A,NYLON 66,-,-,-,BLK,V2,	
	..2		AA65-30009A	CLAMP-FBT;ABS,V0,BLK,-,-,-	S.N.A
	..2		AA65-30104C	CLAMP-WIRE;NYLON 66,V2,NTR,W1 Z4,ALL MOD	S.N.A
	..2		AA98-60005V	ASSY-SUB,PART;KCT15A,MAIN,-,-	S.N.A
	...3		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A
	..2		AA99-30186C	ASSY-PCB ROBOT; AA94-02364L ,ER	S.N.A
	...3	C801	2401-002219	C-AL;220uF,20%,400V,GP,ST,25x40,10	
⚠	...3	CR401S	2306-000255	C-FILM,MPPF;7.4nF,3%,1.6KV,TP,28.5x18.5x	
⚠	...3	CY801S	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
⚠	...3	FP801S	3601-001012	FUSE;250V,4A,SLOW-BLOW,GLASS,5.2x20	
⚠	...3	IC201S	1204-001259	IC-VIDEO SYSTEM;TA1282N,DIP,56P,600MIL,P	
	...3	IC301	AA96-50075A	ASSY-H/S;-,VERT,AA62-30032A,KA2131,ROBO	S.N.A
	4		1204-000475	IC-VIDEO SYSTEM;KA2131,SIP,10P,-,PLASTIC	
	4		6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWR	
	4		AA62-30032A	HEAT SINK-PS;-,SPC-1,T1.0,-,FT-2,V-PRO,-	S.N.A
⚠	...3	IC801S	AA96-00242A	ASSY H/S;-,-,AA62-30186B,KA5Q0765R,-	
	4		0205-000129	GREASE-SILICON;SC102,JAPAN	S.N.A
	4		1203-001932	IC-PWM CONTROLLER;5Q0765,TO-220F,5P,185M	
	4		6003-000333	SCREW-TAPTITE;RH,+,2S,M3,L10,ZPC(YEL),SW	
	4		AA62-30186B	HEAT SINK-ES;-,-,-,SILVER,171J + COVER-H	S.N.A
⚠	...3	IC802	1203-001532	IC-POSI.FIXED REG.;7631,SIP,10P,-,PLASTI	
	...3	IC901	AA13-30020A	IC-MCU;Z8933412PSC-R3757,SZM-354ET1,S	
	...3	IC902	1103-001212	IC-EEPROM;M24C02-WBN6,256x8Bit,SDIP,8P,3	
	...3	JA701	3722-000162	JACK-PIN;2P,3.4mm,SN,BLK,-	
	...3	LD901	AA96-00555A	ASSY LED GUIDE;-,-,UEX-LD-030,GREEN	S.N.A
⚠	...3	LR401S	AA27-30001B	COIL-LINEARLITY;-,195uH,QIC1010,PI0.4,4.	
⚠	...3	LX801S	AA29-30001D	FILTER-LINE NOISE;SQ1913,-,6.0MH,0.8A,-	
⚠	...3	NT801S	1404-001045	THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,T	
⚠	...3	P801S	1404-001048	THERMISTOR-PTC;7ohm,30%,200/220V,270Vac,	
⚠	...3	PC801S	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
	...3	Q401	0502-001115	TR-POWER;KSC5386,NPN,50W,TO-3PF,ST,8-	
	...3	RM901	AA59-60001U	MODULE-REMOCON;-,ORC-50VF/SR-12V,38KHz,9	
⚠	...3	SF101S	2904-001241	FILTER-SAW AV;45.75MHz,SIP5K,ST,14.4dB,M	
⚠	...3	SW906	3404-000295	SWITCH-TACT;12VDC,50mA,160gf,8.4X22.7,SP	
	...3	T401	AA26-50001B	TRANS-HORIZ.DRIVE;-,7.1mH,102uH,10-20uH,	
⚠	...3	T801S	AA26-00043A	TRANS SWITCHING;-,-,-,AC90~260V,125/12.5	
⚠	...3	TU01S	AA40-00045A	TUNER-F/S;TECC1070PG32A(S),NTSC,TR,181CH	
⚠	...3	V999S	3704-001105	SOCKET-CRT;11P,20PI,26.5PI,NI,-	
	...3	X202	2802-000172	RESONATOR-CERAMIC;503.5KHZ,0.5%,BK,7.0X3	
	...3		AA99-10181P	ASSY-PCB MAIN,AUTO; AA99-30186C ,V	S.N.A
	4	04LOT	AA41-11037H	PCB-MAIN;K15A,1L,CEM-1,245x245x1.6T,1A,	S.N.A
	4	C101	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C102	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
	4	C104	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C108	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C110	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
	4	C151	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C153	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C201	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3.5,	
	4	C202	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
	4	C203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
	4	C204	2301-000188	C-FILM,PEF;1nF,5%,100V,TP,10.5x12.5x6.5,	
	4	C205	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
	4	C206	2305-001011	C-FILM,MPEF;22nF,5%,100V,TP,3.5x12.5x7.5	
	4	C207	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
	4	C209	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	4	C210	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	4	C211	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	4	C212	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,4	
	4	C213	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
	4	C214	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
	4	C215	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
	4	C218	2301-000395	C-FILM,PEF;18nF,5%,50V,TP,6.5x12.5x3.5mm	
	4	C219	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
	4	C220	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C221	2401-002462	C-AL;33uF,20%,16V,GP,TP,5x11,5	
	4	C222	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	4	C225	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C226	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
	4	C227	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	4	C229	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C230	2202-000632	C-CERAMIC,MLC-AXIAL;100nF,20%,50V,Z5U,TP	
	4	C231	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
	4	C232	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
	4	C233	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C234	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
	4	C235	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
	4	C236	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C237	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
	4	C301	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
	4	C302	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
	4	C303	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
	4	C304	2401-003561	C-AL;1uF,10%,50V,GP,TP,5x11mm,5	
	4	C305	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5	
	4	C306	2401-002458	C-AL;1000uF,20%,35V,GP,TP,16x25,7.5	
	4	C308	2301-000310	C-FILM,PEF;68nF,5%,50V,TP,8.0X8.5X4.0X5,	
	4	C309	2401-000365	C-AL;100uF,20%,50V,WT,TP,10x12.5mm,	
	4	C310	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C311	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
	4	C312	2401-003561	C-AL;1uF,10%,50V,GP,TP,5x11mm,5	
	4	C313	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
	4	C401	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
	4	C405	2305-000704	C-FILM,MPEF;100nF,5%,250V,TP,16.5x10.3x5	
	4	C406	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
	4	C407	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20,5	
	4	C408	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
	4	C409	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
	4	C410	2301-000224	C-FILM,PEF;22nF,5%,50V,TP,7.4x3.9x13mm,5	
	4	C411	2201-000556	C-CERAMIC,DISC;0.47nF,10%,500V,Y5P,TP,5.	
	4	C412	2401-000927	C-AL;22uF,20%,250V,GP,TP,13x20,5	
	4	C413	2401-002268	C-AL;2.2uF,20%,250V,LZ,TP,8X11,5	
	4	C444	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
	4	C445	2201-000441	C-CERAMIC,DISC;3.3nF,10%,500V,Y5P,TP,10x	
	4	C501	2202-000863	C-CERAMIC,MLC-AXIAL;560pF,10%,50V,Y5P,TP	
	4	C502	2202-000862	C-CERAMIC,MLC-AXIAL;390pF,10%,50V,Y5P,TP	
	4	C503	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP	
	4	C505	2201-000723	C-CERAMIC,DISC;4.7nF,20%,3KV,Y5U,TP,16x5	
	4	C601	2401-001998	C-AL;1000uF,20%,25V,GP,TP,10x20,5mm	
	4	C602	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
	4	C603	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
	4	C604	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
	4	C611	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
	4	C612	2202-000279	C-CERAMIC,MLC-AXIAL;47pF,5%,50V,SL,TP,3.	
	4	C701	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
	4	C702	2401-000471	C-AL;10uF,20%,50V,BP,TP,5x11,5mm	
	4	C703	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
	4	C705	2202-000183	C-CERAMIC,MLC-AXIAL;2.2NF,20%,16V,Y5R,TP	
	4	C802	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
	4	C803	2301-001435	C-FILM,PPF;1.5nF,5%,1.2kV,TP,15x8x12.5mm	
	4	C805	2201-000991	C-CERAMIC,DISC;0.56nF,10%,2kV,Y5P,TP,7.5	
	4	C806	2401-000262	C-AL;100uF,20%,160V,HR,TP,16x25,7.5	
	4	C807	2201-000599	C-CERAMIC,DISC;0.56nF,10%,500V,Y5P,TP,5.	
	4	C808	2301-000016	C-FILM,PEF;22nF,5%,100V,TP,7.2x4.5x9.0mm	
	4	C810	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
	4	C812	2401-002463	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
	4	C816	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
	4	C817	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	

Loc. No.	Code No.	Description ; Specification	Remark
....4 C820	2401-000703	C-AL;2200uF,20%,25V,GP,-,12.5x25mm,	
....4 C821	2401-001486	C-AL;47uF,20%,160V,HR,TP,13x20mm,5m	
....4 C822	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
....4 C823	2201-000370	C-CERAMIC,DISC;0.22nF,10%,50V,Y5P,TP,4x3	
....4 C851	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
....4 C852	2301-000235	C-FILM,PEF;3.9nF,5%,50V,TP,6.5x3.0x5.5mm	
....4 C901	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
....4 C902	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 C903	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C904	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 C905	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
....4 C906	2201-000471	C-CERAMIC,DISC;0.33nF,10%,50V,Y5P,TP,4x3	
....4 C907	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 C908	2201-000193	C-CERAMIC,DISC;0.01nF,0.25pF,50V,NP0,TP,	
....4 C909	2201-000573	C-CERAMIC,DISC;0.047nF,5%,50V,NP0,TP,5x3	
....4 C910	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
....4 C911	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
....4 C912	2305-000470	C-FILM,MPEF;68nF,5%,100V,TP,-,5mm	
....4 C915	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V	
....4 CN603	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5MM,STRAIGH	
....4 CN701	3711-002646	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
⚠ 4 CR402S	2201-000467	C-CERAMIC,DISC;0.33nF,10%,2kV,Y5P,TP,6.3	
⚠ 4 CR403S	2306-000193	C-FILM,MPPF;360nF,5%,200V,TP,21x18.5x13,	
....4 CS603	2202-000796	C-CERAMIC,MLC-AXIAL;1NF,10%,50V,Y5P,TP,3	
....4 CU02	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0m	
....4 D101	0403-000700	DIODE-ZENER;TZP33A,33V,31-35V,1W,DO-41,T	
....4 D102	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D103	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D201	0403-001316	DIODE-ZENER;MTZJ3.0A,2.85-3.07V,500mW,DO	
....4 D202	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D203	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D204	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D205	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4 D206	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D207	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D208	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D210	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
....4 D299	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 D301	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D302	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 D401	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D402	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
....4 D403	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D404	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D405	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D407	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
....4 D601	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D701	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 D704	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
⚠ 4 D801S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D802	0402-000540	DIODE-RECTIFIER;RU20A,600V,1.5A,-,TP	
⚠ 4 D802S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D803	0402-001105	DIODE-RECTIFIER;ERB43-04SV1,400V,1.0A,-,	
⚠ 4 D803S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D804	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
⚠ 4 D804S	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D805	0402-001111	DIODE-RECTIFIER;1N5397GP,600V,1.5A,DO-20	
....4 D806	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D814	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,T	
....4 D855	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D856	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D901	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D903	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D904	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 D905	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D906	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 D907	0401-000005	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
....4 DZ201	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ202	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ203	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ204	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ205	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ206	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ207	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ208	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	
....4 DZ209	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D	

Loc. No.	Code No.	Description ; Specification	Remark
....4 DZ601	0403-000719	DIODE-ZENER;MTZJ7.5B,7.5V,7.07-7.45V,500	
....4 DZ602	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ603	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ802	0403-001327	DIODE-ZENER;MTZJ18A,16.22-17.06V,500mW,D	
....4 DZ806	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500mW,DO	
....4 DZ808	0403-000699	DIODE-ZENER;TZP27B,27V,27-30.8V,1W,DO-41	
....4 DZ901	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 DZ902	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 DZ903	0403-001319	DIODE-ZENER;MTZJ4.7C,4.68-4.93V,500mW,DO	
....4 DZ904	0403-000508	DIODE-ZENER;MTZJ5.6B,5.6V,5.45-5.73V,500	
....4 F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	
....4 F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ 4 FA801S	3601-001086	FUSE-AXIAL LEAD;125V,5A,FAST-ACTING,GLAS	
....4 L102	2701-000178	INDUCTOR-AXIAL;33uH,10%,3x7mm	
....4 L152	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
....4 L201	AA26-10004K	TRANS-IF;-,7MG,SIF,11.5uH,7mm,100pF,4.8	
....4 L202	2701-000207	INDUCTOR-AXIAL;56uH,5%,2.5x3.4mm	
....4 L203	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4 L204	2701-000207	INDUCTOR-AXIAL;56uH,5%,2.5x3.4mm	
....4 L205	AA26-10004C	TRANS-IF;-,7MG,VIF,0.37uH,7mm,27pF,52.3	
....4 L206	2701-000111	INDUCTOR-AXIAL;100uH,10%,2.5x3.4mm	
....4 L208	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L301	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
....4 L402	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
....4 L501	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L502	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L503	2701-000184	INDUCTOR-AXIAL;4.7uH,10%,2.5x3.4mm	
....4 L602	2701-000158	INDUCTOR-AXIAL;22uH,10%,2.5x3.4mm	
....4 L802	3301-001223	CORE-FERRITE BEAD;AA,62ohm,3.5x0.8x5mm,-	
....4 L803	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L804	3301-001223	CORE-FERRITE BEAD;AA,62ohm,3.5x0.8x5mm,-	
....4 L805	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L810	2701-001032	INDUCTOR-AXIAL;100uH,10%,5x14mm	
....4 L811	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
....4 L901	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L902	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
....4 L999	2701-000115	INDUCTOR-AXIAL;10uH,10%,3x7mm	
....4 Q151	0501-000436	TR-SMALL SIGNAL;KTC3197,NPN,625mW,TO-92,	
....4 Q201	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q202	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q203	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q402	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1000mW,TO-	
....4 Q501	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q502	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q503	0501-002014	TR-SMALL SIGNAL;KSC2330-R,NPN,1W,TO-92L,	
....4 Q601	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 Q801	1203-001217	IC-POSI.ADJUST REG.;431,TO-92,3P,4.58MIL	
....4 Q903	0501-002183	TR-SMALL SIGNAL;KTC9014,NPN,625mW,TO-92,	
....4 QU01	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,T	
....4 R101	2001-001155	R-CARBON(S);5.6KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R102	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R104	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
....4 R105	2003-000592	R-METAL OXIDE(S);22ohm,5%,2W,AF,TP,4x12m	
....4 R106	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
....4 R107	2003-000664	R-METAL OXIDE(S);33ohm,5%,2W,AF,TP,4x12m	
....4 R152	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R153	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R154	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R155	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R156	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R157	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R158	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R159	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R201	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R202	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R203	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R204	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R205	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R206	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R207	2001-001111	R-CARBON(S);240OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R208	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R209	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R210	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R211	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R212	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R213	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R214	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

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....4 R215	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R218	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R219	2001-000674	R-CARBON;360OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R222	2001-000773	R-CARBON;470KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R223	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R226	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R227	2001-000508	R-CARBON;220KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R228	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R229	2001-000258	R-CARBON;1.8KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R230	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R231	2001-000660	R-CARBON;33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R233	2001-000011	R-CARBON;75KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R234	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R235	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R236	2001-000548	R-CARBON;270KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R237	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R239	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R240	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R241	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R242	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R251	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R252	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R253	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R257	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
....4 R301	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R302	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
....4 R303	2001-000908	R-CARBON;62KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R304	2003-000436	R-METAL OXIDE(S);1.5ohm,5%,1W,AF,TP,3.3x	
....4 R305	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R306	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R307	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R308	2001-000908	R-CARBON;62KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R309	2003-001043	R-METAL OXIDE(S);510ohm,5%,1W,AF,TP,2.5x	
....4 R401	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R402	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R403	2001-001114	R-CARBON(S);270OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R404	2001-001136	R-CARBON(S);36OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R405	2003-000540	R-METAL OXIDE(S);1Kohm,5%,2W,AF,TP,4x12m	
....4 R406	2008-001107	R-FUSIBLE(S);300ohm,5%,2W,AG,TP,3.9x12mm	
....4 R407	2003-002102	R-METAL OXIDE;68Kohm,5%,2W,AF,TP,4x12mm	
....4 R409	2008-000253	R-FUSIBLE(S);0.47ohm,5%,1W,AF,TP,3.9x10m	
....4 R410	2008-000206	R-FUSIBLE(S);1ohm,5%,1/2W,AF,TP,2.5x6.5m	
....4 R411	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R412	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R415	2003-000784	R-METAL OXIDE(S);7.5Kohm,5%,2W,AF,TP,4x1	
....4 R416	2001-000022	R-CARBON(S);33OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R417	2001-001410	R-CARBON(S);43OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R444	2001-001099	R-CARBON(S);2.7KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R501	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R502	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R503	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R504	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R505	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R506	2003-002170	R-METAL OXIDE(S);15Kohm,5%,2W,AG,TP,3.9x	
....4 R507	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R508	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R509	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R510	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R511	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R512	2001-000628	R-CARBON;300OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R513	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R514	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R515	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
....4 R517	2001-000666	R-CARBON;33OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R518	2008-001015	R-FUSIBLE(S);1.5ohm,5%,2W,AF,TP,3.9x10mm	
....4 R599	2008-001053	R-FUSIBLE;22ohm,5%,1/2W,AF,TP,2.5x6.5mm	
....4 R601	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R602	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R603	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R604	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R606	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R610	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R611	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R701	2001-001187	R-CARBON(S);75OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R702	2004-001373	R-METAL(S);100Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R703	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R801	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	

Loc. No.	Code No.	Description ; Specification	Remark
....4 R802	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R803	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R807	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
....4 R808	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R809	2008-000205	R-FUSIBLE(S);10ohm,5%,1/2W,AF,TP,2.5x6.5	
....4 R811	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R812	2008-000252	R-FUSIBLE(S);0.47ohm,10%,1/2W,AF,TP,2.5x	
....4 R814	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R816	2001-001192	R-CARBON(S);820OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R817	2001-001170	R-CARBON(S);6.8OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R819	2008-001033	R-FUSIBLE(S);10ohm,5%,2W,AF,TP,3.9x10mm	
....4 R819A	2008-001033	R-FUSIBLE(S);10ohm,5%,2W,AF,TP,3.9x10mm	
....4 R820	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4M	
....4 R821	2004-004089	R-METAL(S);123Kohm,1%,1/2W,AA,TP,2.5x6.5	
....4 R823	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R824	2004-001983	R-METAL(S);2.49Kohm,1%,1/2W,AA,TP,2.4x6.	
....4 R825	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R852	2004-001371	R-METAL(S);1.5Kohm,1%,1/2W,AA,TP,2.4x6.4	
....4 R853	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4 R854	2001-001125	R-CARBON(S);300KOHM,5%,1/2W,AA,TP,2.4X6.	
....4 R901	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R902	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R903	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R904	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R905	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R906	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R907	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R908	2001-000232	R-CARBON;1.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R910	2001-000995	R-CARBON;820OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R911	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R913	2001-000924	R-CARBON;680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R914	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R915	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R916	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R917	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R918	2001-000947	R-CARBON;7.5KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R919	2001-000977	R-CARBON;8.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R920	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4	
....4 R921	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R922	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R923	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R924	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R925	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R926	2001-000008	R-CARBON;15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R927	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R929	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R930	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R931	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R932	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R933	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R936	2004-000195	R-METAL;100Kohm,1%,1/8W,AA,TP,1.8x3.2m	
....4 R937	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R938	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R940	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 R951	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R952	2001-000472	R-CARBON;2.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 R988	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RH01	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
....4 RH02	2002-001006	R-COMPOSITION;4.7Kohm,5%,1/2W,AA,TP,3.7x	
⚠ 4 RR401S	2004-001390	R-METAL(S);1Kohm,2%,1/2W,AA,TP,2.4x6.4mm	
....4 RS605	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RS606	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RU02	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RU03	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
....4 RU06	2001-000397	R-CARBON;180KOHM,5%,1/8W,AA,TP,1.8X3.2M	
....4 RU07	2001-001062	R-CARBON(S);10MOHM,5%,1/2W,AA,TP,2.4X6.4	
....4 RU10	2001-000780	R-CARBON;470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
⚠ 4 RY801S	2002-001013	R-COMPOSITION;4.7Mohm,5%,1/2W,AA,TP,3.7x	
....4 SW901	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4 SW902	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4 SW903	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4 SW904	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
....4 SW905	3404-000244	SWITCH-TACT;15V,20mA,90-170gf,7.5x7mm,SP	
⚠ 4 VX801S	1405-000152	VARISTOR;560V,2500A,14x8.5mm,TP	
....4 X201	2801-003725	CRYSTAL-UNIT;3.579545MHz,20ppm,28-AAM,16	
....4 Z201	2903-001022	FILTER-CERAMIC;BR,4.5MHz,-,-,-,TP,-	
....4 Z601	2903-000135	FILTER-CERAMIC;BP,4.5MHz,120KHz,6dB,-,TP	

Loc. No.		Code No.	Description ; Specification	Remark

ASSY-PCB,A/V FRONT

1	*	AA95-90039G	ASSY-PCB,A/V FRONT;-,TXH1373X/XAC,K15A,N	
..2	01LOT	AA41-10350B	PCB-A/V;K1,1,FR-1,51x23x1.6T,-,-	S.N.A
..2	CE01	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
..2	CN704*	AA39-20070E	LEAD CONNECTOR-ASSY;,7P,YBNH025-07,67096	
..2	JA703	3722-000506	JACK-RCA;2P,3.6MM,-,AG	
..2	JE601	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
..2	RE01	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
..2	RE02	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4M	
..2		0202-000187	SOLDER-WIRE FLUX;-,RS60S,D1.2,63Sn/37Pb	S.N.A

ASSY CABINET FRONT

1	*	AA91-10382N	ASSY CABINET FRONT;,5038,(SPK)SV704P EPN	
..2	KNOB	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	KNOPOW	AA61-60003J	SPRING-CS;-,SUS304,0.5,OD6,H12,N7,-,-,-	
..2	SPK+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2		AA64-40085A	WINDOW-REMOCON;-,5038,-,PC,V0,VIOLET,-	
..2		AA64-40188A	INDICATOR-LED;-,5038,-,ACRYL,-,-,-	
..2		AA64-70127F	BADGE-BRAND;AL,SAMSUNG,SILVER,L40,R800,N	
..2		AA65-30105A	CLAMP-WIRE;NYLON 66,V2,NTR,15MM,ALL MODE	S.N.A
..2		AA96-10141B	ASSY-SPEAKER;-,8OHM,3W,3001-001020,AA39-	
...3		3001-001020	SPEAKER;3W,8ohm,90dB,140Hz	
...3		AA39-20501C	LEAD CONNECTOR-ASSY;,3(2)P,67096-003,REC	S.N.A
..2		AA61-40007A	STOPPER-PCB;5038.5368,HIPS HB,-,NTR,-,-	S.N.A
..2		AA63-50056B	GRILLE-WOOFER;-,5038,SV-704G,SECC,T0.5,-	
..2		AA64-10050C	KNOB-CONTROL;-,5038,G3676,ABS,HB,GRAY	
..2		AA64-10187G	KNOB POWER;5038,ABS,-,G3676,NO-SILK,HB,-	
..2		AA64-31263Z	CABINET FRONT;5038,SV704P EPN,HIPS,HB,G4	
...3		AA61-40010A	BOSS-WING;-,HIPS,HB,NTR,-,-	

ASSY CABINET

1	*	AA90-00200G	ASSY CABINET;5038,CT50386X/XAP	S.N.A
..2	B/C	AA60-00091A	SPACER-FELT;-,FELT,150X10,-,-,BLK,T0.35,	S.N.A
..2	CB+CF	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	CB+RJ	6003-001026	SCREW-TAPTITE;RH,+,B,M4,L15,ZPC(BLK),SWR	
..2	CRT+CF	AA60-10050R	SCREW-ASSY;-,SWRCH18A,M5,L31.5,HH,+,WC,-	
..2	PA+CF	6006-001095	SCREW-ASS'Y TAPT;WP,BH,+,M4,L12,ZPC(YEL)	
..2		AA65-30107A	CLAMP-D,COIL;NYLON 66,V2,NTR,-,20~22 INC	S.N.A
..2		AA65-30008A	CLAMP-CORD;PE,HB,BLK,-,-,-	S.N.A
..2		AA64-30375B	CABINET-BACK;-,5073,38,-,HIPS,HB,BLK,-,-	

ASSY-CRT

⚠ 1	*	AA94-50019X	ASSY-CRT;A48KRD82X(H),+380MG,20,BARE,-	S.N.A
..2		AA63-60028A	SPACER-DY;-,NEOPRENE,-,-,-,BLK,-,-,V0 W1	
..2		AA27-50004W	DEFLECTION-YOKE;-,DSE-1992LL(1H),PCL,A48	
..2		AA27-00002A	MAGNET-CONVERGENCE;-,JH291-SC-OB,29.1MM	
..2		AA03-10029W	CRT-COLOR;-,A48KRD82X(H),+380mG,20,90de	

Loc. No.		Code No.	Description ; Specification	Remark

ASSY-TBC,WIRE(P)

1	*	AA98-70014B	ASSY-TBC,WIRE(P);-,20,NTSC,1P,-	S.N.A

ASSY-POWER,CORD

⚠ 1	*	AA96-20109C	ASSY-POWER,CORD;-,CP2/NO(4.0),H/C300,KKP	
..2		3811-000401	WIRE-PVC CU;BCWA,300V,ROLL,17/0.16mm,#22	S.N.A
..2		AA39-10006X	POWER-CORD;-,KKP419C,KLCE-2F,2.286MT,3P,	S.N.A
..2		AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	S.N.A

ASSY-ACCESSORY

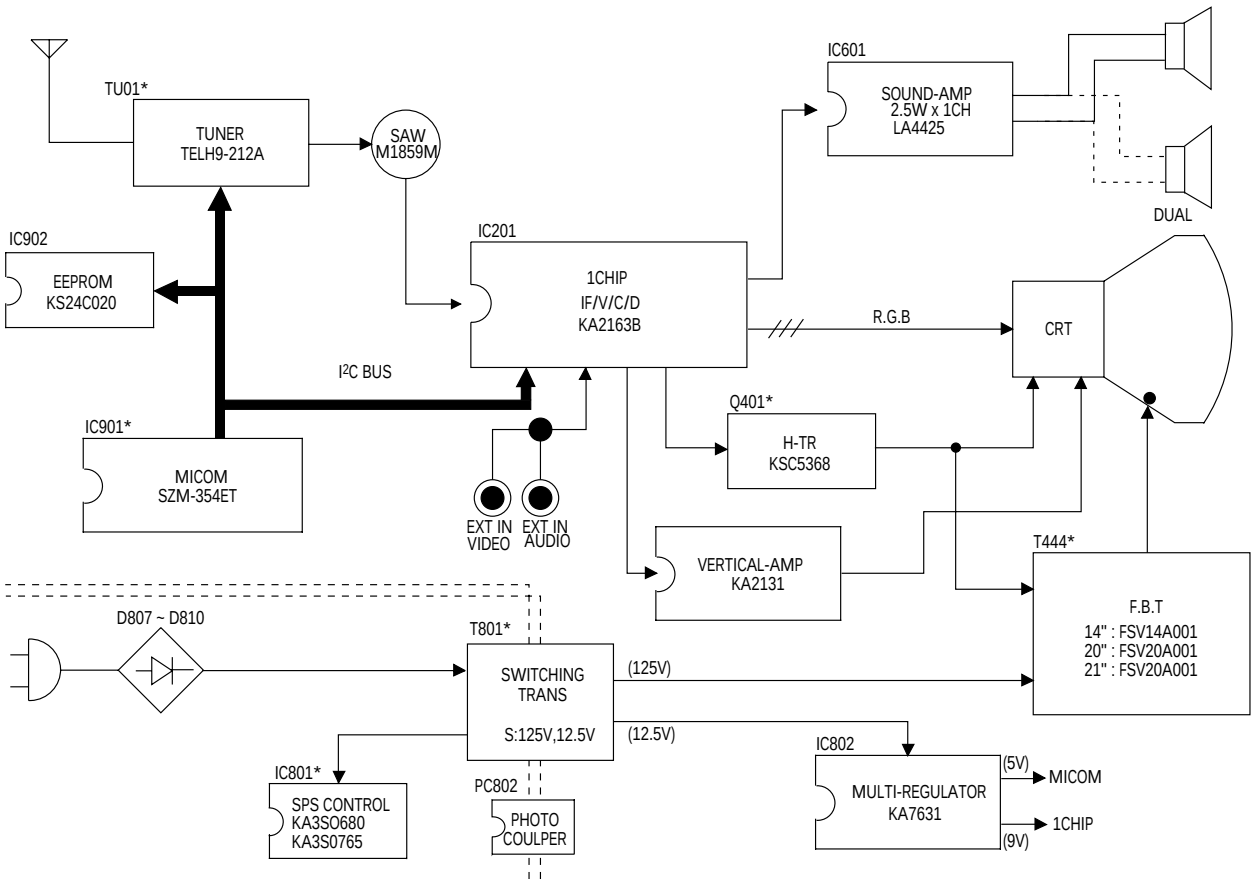
1	*	AA94-30079Y	ASSY-ACCESSORY;CT501EBZX/XAP,K15A,LATIN	S.N.A
..2		AA68-00569D	MANUAL USERS;,ENG,W/P100(G),A5,K15A,40PA	
..2		AA68-11251A	MANUAL-USERS;KCT15A,SPA,TM59,205X150,A/P	
..2		AA42-10001V	ANT-ROD;-,3S,620mm,BRN,UL/CSA	
..2		AA26-90001F	TRANS-MATCHING;-,300ohm/75ohm,NTSC,40-89	
..2		3721-000136	PLUG-CONVERSION;2P,4.0mm,N,NI	

REMOCON

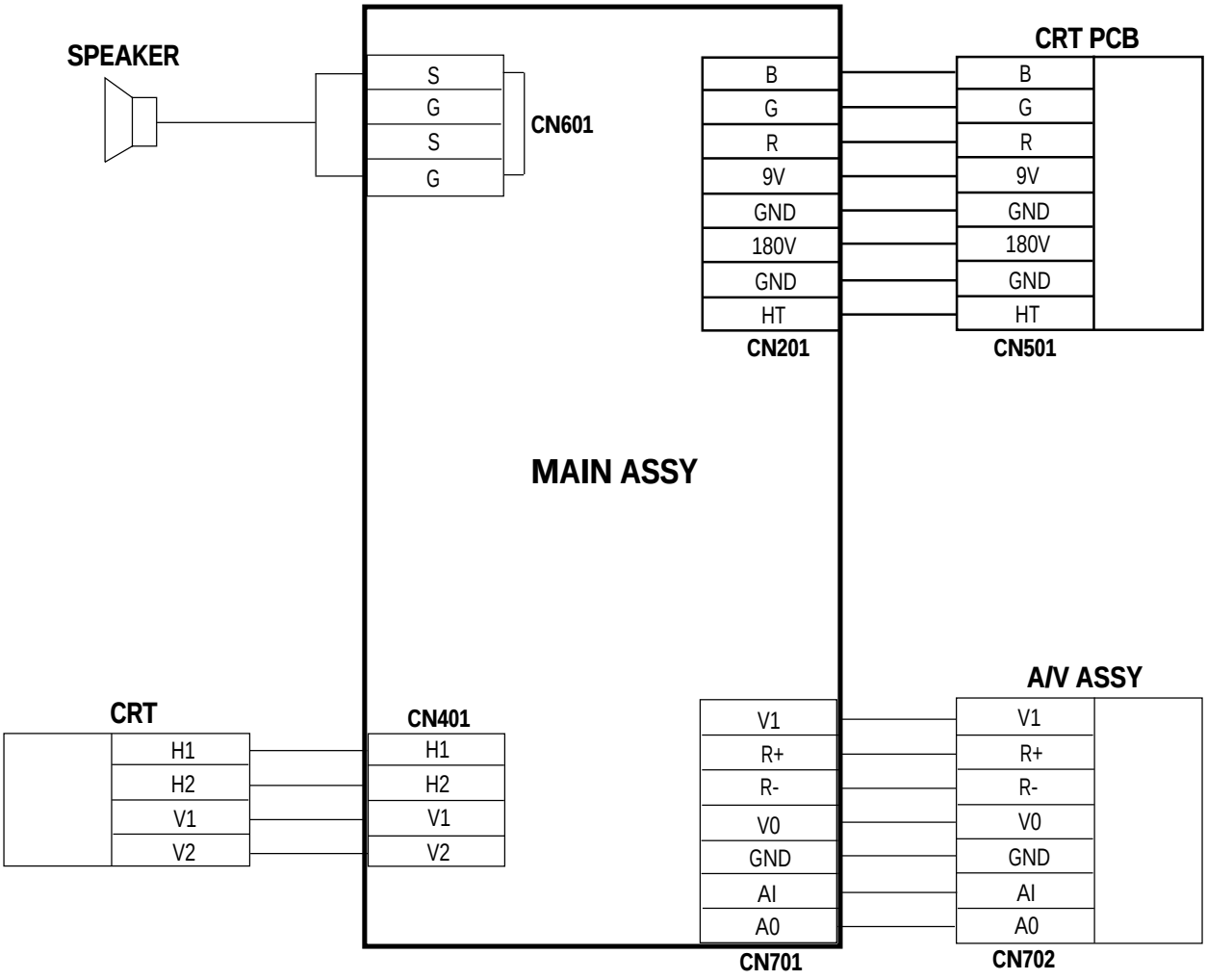
1	*	AA59-10095T	REMOCON;-,TM59,SS,SZM354EP,25,-,-,L/GR	

MEMO

8. Block Diagram

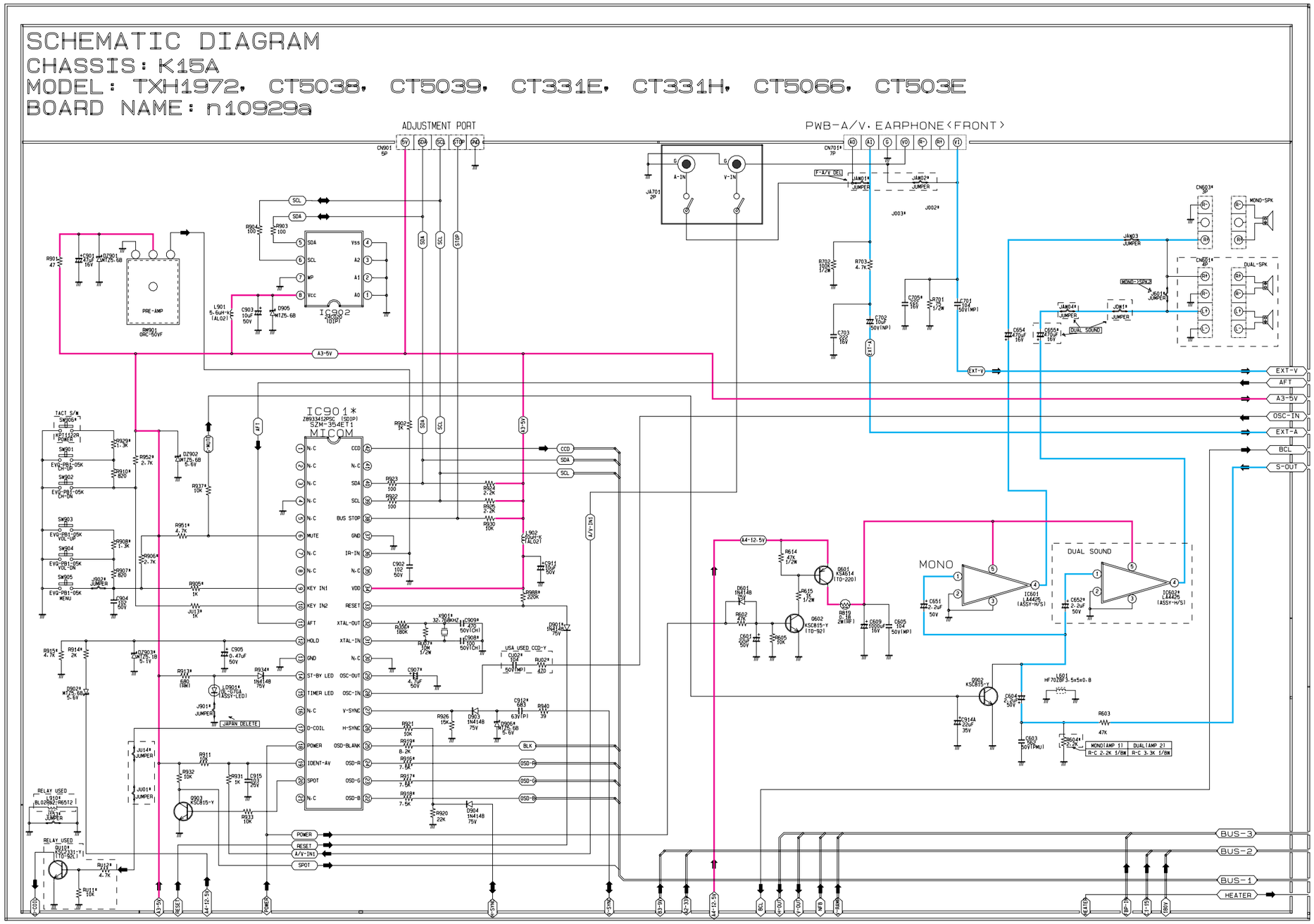


10. Wiring Diagram



11. Schematic Diagrams

11-1 MAIN 1/4



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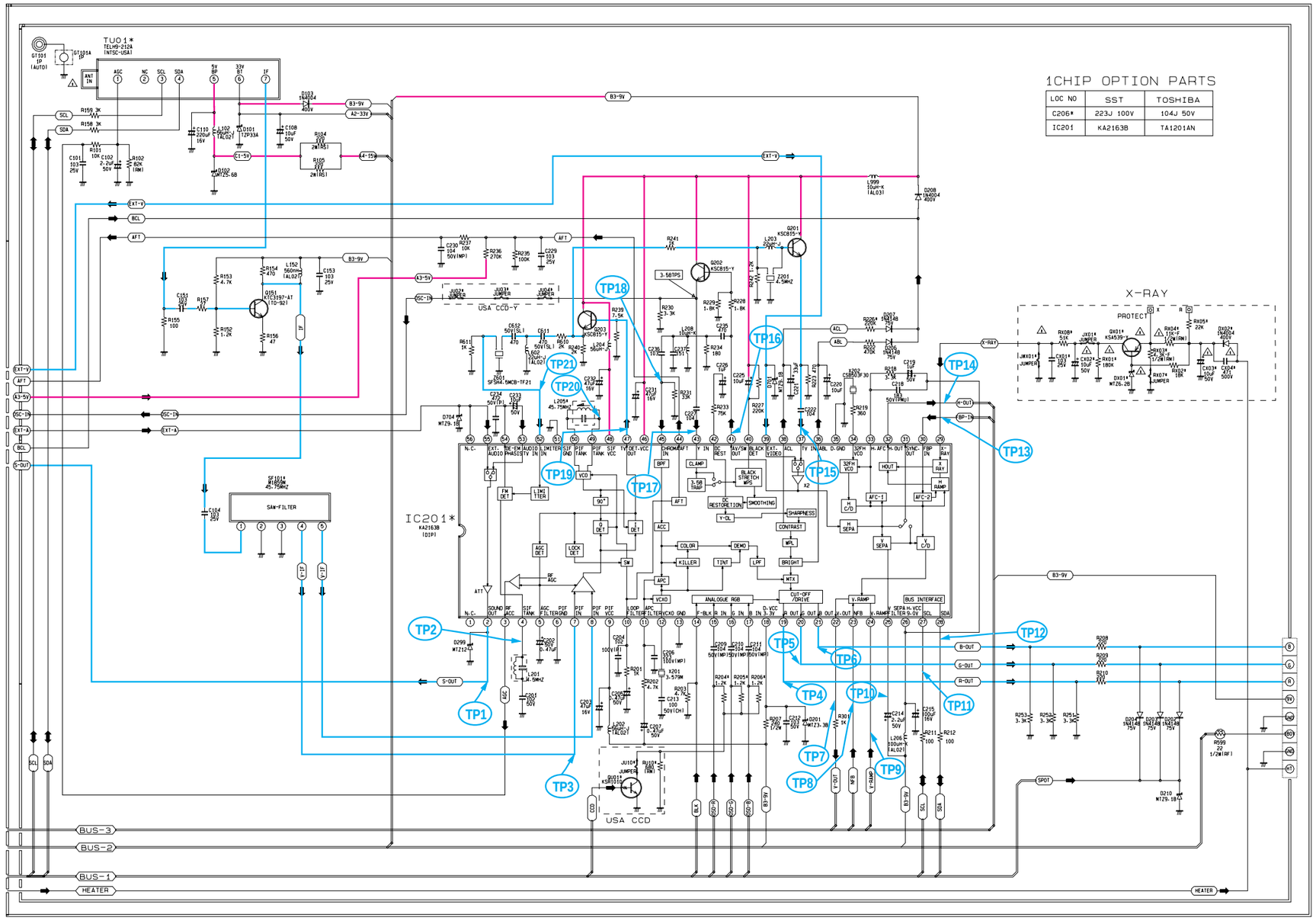
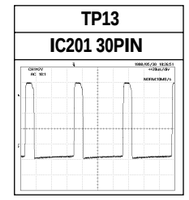
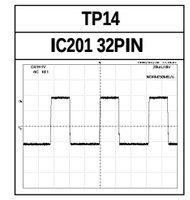
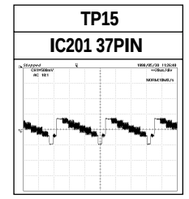
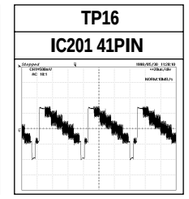
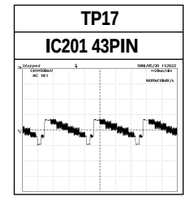


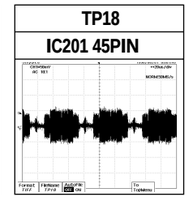


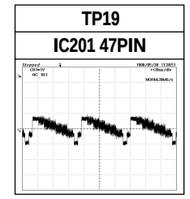


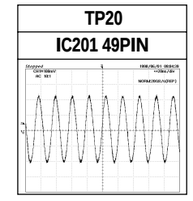


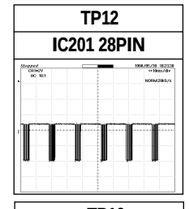


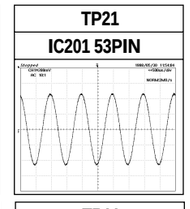


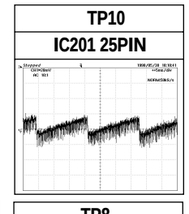


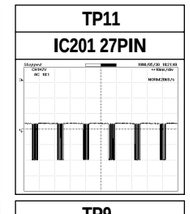


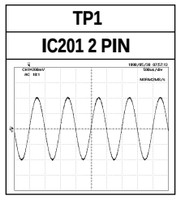


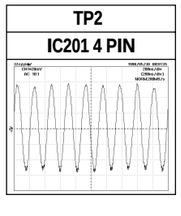


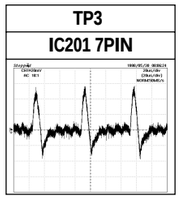


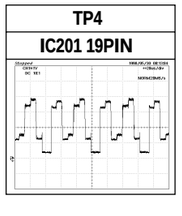


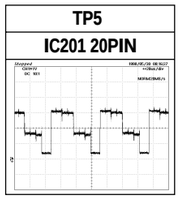


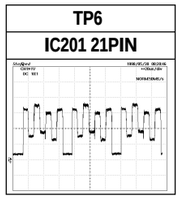


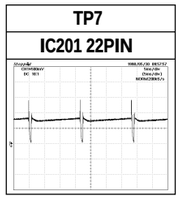


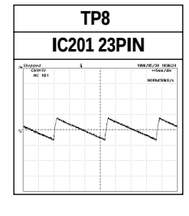


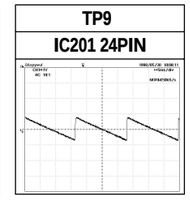






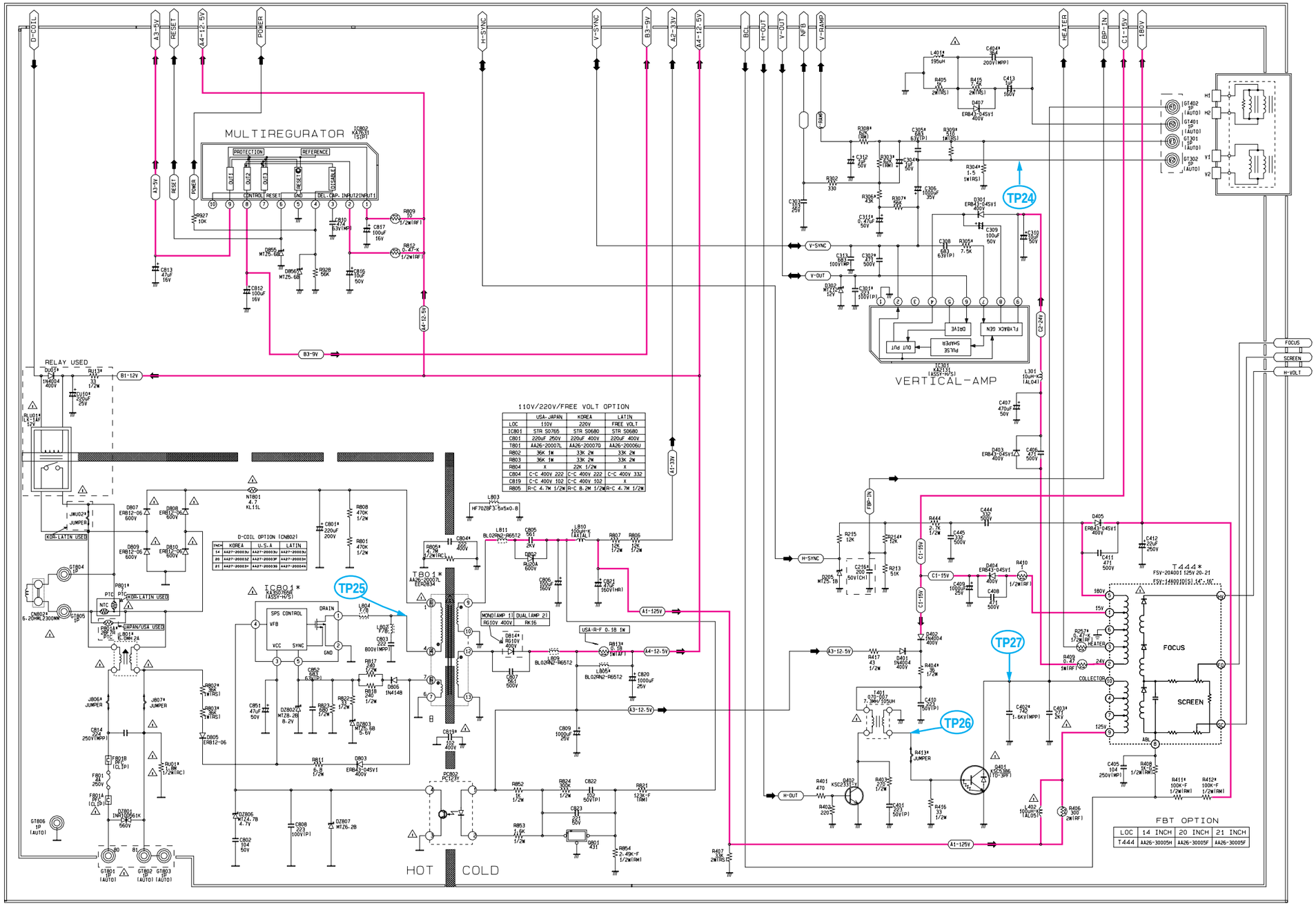




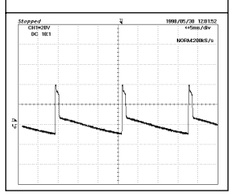


: Power Line
: Signal Line

11-3 MAIN 3/4

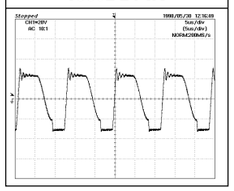


TP24

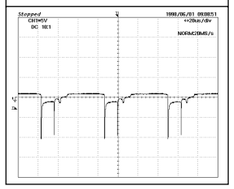


TP25

IC801 1 PIN

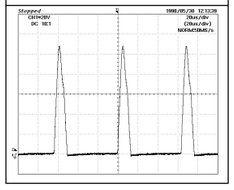


TP26



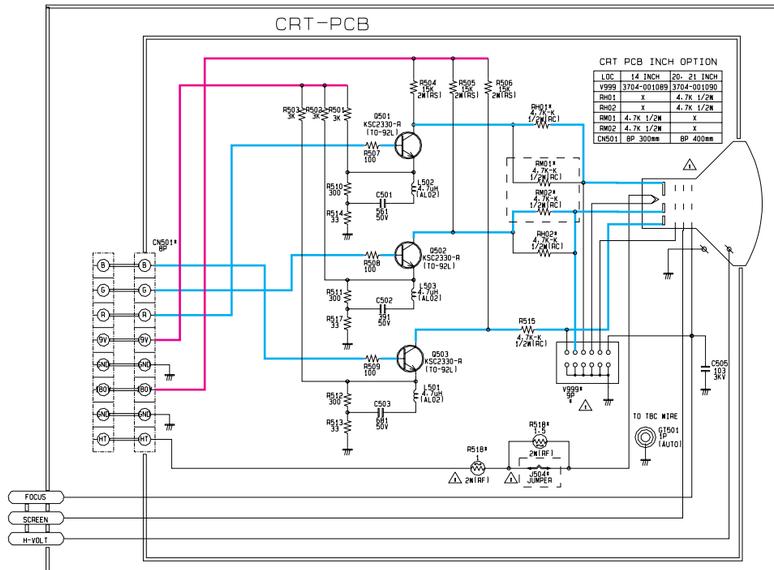
TP27

T444 10 PIN

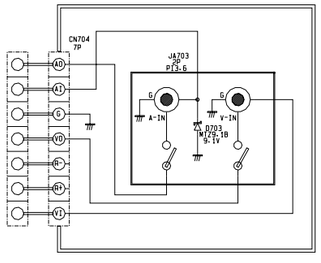


: Power Line

11-4 MAIN 4/4



PWB-A/V. EARPHONE <FRONT>



HEATER OPTION

LOC		KOREA	U.S.A	LATIN
R518	14"	R-F 1/2W 1.0	R-F 2/1 1.0	R-F 2W 1.5
	20"	R-F 2W 1.0	R-F 2W 1.0	R-F 2W 1.0
	21"	R-F 2W 1.0	R-F 2W 1.0	R-F 2W 1.0
R518A	14"	RF 1/2W 0.47	R-F 2W 1.5	X
	20"	X	X	X
	21"	X	X	X
J504	14"	X	X	JUMPER
	20"	JUMPER	JUMPER	JUMPER
	21"	JUMPER	JUMPER	JUMPER
R257	14"	R-F 2W 1.5	RF 1/2W 0.47	R-F 2W 1.0
	20"	R-F 2W 1.0	RF 1/2W 0.47	R-F 2W 1.0
	21"	R-F 2W 1.0	RF 1/2W 0.47	R-F 2W 1.0

RELAY OPTION

	RELAY USED	RELAY DELETE
LOC	U.S.A	KOREA-LATIN
RLU01	RELAY : HR-CR13	X
CU10	C-E 220uF 25V	X
DU01	DIODE 1N4004	X
J153	X	JUMPER
JU01	JUMPER	X
JU14	JUMPER	X
JMU02	X	JUMPER
L910	FERRIE BEAD	X
P801	X	3P 7ohm
P8014	2P 7ohm	X
QU10	TR C2331-Y	X
RU11	RC 10K 1/8W	X
RU12	RC 4.7K 1/8W	X
RU13	R-C 33 1/2W	X

VERTICAL-AMP OPTION PARTS

LOC	INCH	KOREA		U.S.A		LATIN	
C301	14"	C-P 273 100V	2301-000226	<---		<---	
	20"	C-P 223 100V	2301-000223	<---		<---	
	21"	C-P 223 100V	2301-000223	C-C 471 50V	2201-000556	C-P 223 100V	2301-000223
C302	14"	C-C 561 50V	2201-000599	<---		<---	
	20"	C-C 471 50V	2201-000556	<---		<---	
	21"	X		X		X	
C304	14"	1uF 50V MR	2401-000553	<---		<---	
	20"	1uF 50V MR	2401-000553	<---		<---	
	21"	C-MP 224 63V	2305-000289	<---		<---	
C305	14"	C-P 473 100V	2305-000427	<---		<---	
	20"	C-P 104 100V	2305-000149	C-P 683 50V	2301-000310	C-P 104 100V	2305-000149
	21"	C-P 104 100V	2305-000149	<---		<---	
C311	14"	0.47uF 50V	2401-001333	<---		<---	
	20"	0.47uF 50V	2401-001333	<---		<---	
	21"	C-P 474 63V	2305-000412	<---		<---	
R303	14"	R-M 56K 1/8W	2004-001104	<---		<---	
	20"	R-M 62K 1/8W	2004-001990	<---		<---	
	21"	RC 120K 1/8W	2001-000319	<---		<---	
R304	14"	R-M.O 2W 3-3	2003-001036	<---		<---	
	20"	R-M.O 1W 1-5	2003-000436	<---		<---	
	21"	R-M.O 1W 1-8	2003-001089	<---		<---	
R305	14"	R-C 33K 1/8W	2001-000660	<---		<---	
	20"	RM 7.5K 1/8W	2004-001213	<---		<---	
	21"	RM 7.5K 1/8W	2004-001213	<---		<---	
R306	14"	R-M 82K 1/8W	2004-001301	<---		<---	
	20"	R-C 43K 1/8W	2001-000766	<---		<---	
	21"	RC 160K 1/8W	2001-000380	<---		<---	
R307	14"	R-C 36K 1/8W	2001-000679	<---		<---	
	20"	R-M 56K 1/8W	2004-001104	<---		<---	
	21"	R-C 36K 1/8W	2001-000679	<---		<---	
R308	14"	R-C 30K 1/8W	2001-000633	<---		<---	
	20"	R-M 62K 1/8W	2004-001990	<---		<---	
	21"	R-M 39K 1/8W	2001-000702	<---		<---	
R309	14"	R-M.O 330 1W	2003-000649	<---		<---	
	20"	R-M.O 510 1W	2003-001043	<---		<---	
	21"	R-M.O 330 1W	2003-000649	<---		<---	
	14"						
	20"						
	21"						
	14"						
	20"						
	21"						

OPTION PARTS

LOC	INCH	KOREA		U.S.A		LATIN	
C402	14"	CC 722 1.6KV	2306-000253	<---		<---	
	20"	CC 742 1.6KV	2306-000355	<---		<---	
	21"	CC 632 1.6KV	2306-000237	<---		<---	
C403	14"	CC 331 2KV	2201-000467	<---		<---	
	20"	CC 271 2KV	2201-000406	<---		<---	
	21"	CC 331 2KV	2201-000467	<---		<---	
C404	14"	C-MP 334 250V	2306-000004	<---		<---	
	20"	C-MP 364 200V	2306-000193	<---		<---	
	21"	C-MP 334 250V	2306-000004	<---		<---	
L401	14"	195uH	AA27-30001B	<---		<---	
	20"	195uH	AA27-30001B	<---		<---	
	21"	157uH	AA27-30001A	<---		<---	
R404	14"	R-C 22 1/2W	2001-000020	<---		<---	
	20"	R-C 36 1/2W	2001-001136	<---		<---	
	21"	R-C 36 1/2W	2001-001136	<---		<---	
R411	14"	RM 120K-F 1/2W	2004-001377	<---		<---	
	20"	RM 100K-F 1/2W	2004-001373	<---		<---	
	21"	RM 133K-F 1/2W	2004-001891	<---		<---	
R412	14"	RM 120K-F 1/2W	2004-001377	<---		<---	
	20"	RM 100K-F 1/2W	2004-001373	<---		<---	
	21"	RM 79K-F 1/2W	2004-001405	<---		<---	
R413	14"	RC 0.39 1/2W	2001-003019	<---		<---	
	20"	JUMPER	3812-000219	<---		<---	
	21"	JUMPER	3812-000219	<---		<---	
C216	14"	C-C 20pF(CH)		<---		<---	
	20"	X		C-C 20pF(CH)		X	
	21"	X		X		X	
R204	14"	RC 750 1/8W	2004-001229	R-C 820 1/8W	2004-001291	R-C 820 1/8W	2004-001291
	20"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
	21"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
R205	14"	RC 750 1/8W	2004-001229	R-C 820 1/8W	2004-001291	R-C 820 1/8W	2004-001291
	20"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
	21"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
R206	14"	RC 750 1/8W	2004-001229	R-C 820 1/8W	2004-001291	R-C 820 1/8W	2004-001291
	20"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
	21"	R-C 1K 1/8W	2001-000429	RC 1.2K 1/8W	2001-000221	RC 1.2K 1/8W	2001-000221
R214	14"	R-C 10K 1/8W	2001-000290	<---		<---	
	20"	R-C 12K 1/8W	2001-000331	<---		<---	
	21"	R-C 12K 1/8W	2001-000331	<---		<---	
R226	14"	RC 180K 1/8W	2001-000397	<---		<---	
	20"	RC 220K 1/8W	2001-000508	<---		<---	
	21"	RC 220K 1/8W	2001-000508	<---		<---	
RU10	14"	X		R-C 470 1/8W	2001-000780	R-C 470 1/8W	2001-000780
	20"	X		R-C 680 1/8W	2004-001193	R-C 680 1/8W	2004-001193
	21"	X		R-C 680 1/8W	2004-001193	R-C 680 1/8W	2004-001193

FILE NAME : KCT15A

JOB-NO	TEAM	NODE	DESIGN	OPE	EDIT
1	TVI		KIM.S.J		98.06.01

: Power Line
: Signal Line

ELECTRONICS

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Printed in Korea
3K15A-5001